OLYMPUS OM SYSTEM

SALES INFORMATION FILE

THE OLYMPUS OM SYSTEM SALES INFORMATION FILE

This file has been prepared as a handy source of information concerning the products available in the OLYMPUS OM System.
We suggest you keep a copy in your shop for reference when answering customers' questions.

1. Arrangement of Contents

i) All the units of the OM System are arranged into nine groups.
ii) The page on which each unit is featured can be found on the System Chart in brackets ( ) after the name of the unit.
iii) Page numbers (three figures) are printed on the upper right of the front (right-hand side) page of each entry.
iv) Page numbers do not form a continuous sequence. This is to allow the addition of new material at a later date.

2. Contents

i) For each unit there is a description of the unit's function, use in combination with other units of the system, notes regarding use, and nomenclature for the various parts of the unit along with their individual functions.
ii) As far as possible the photographs of each unit are actual size. Thus, even if you do not have the required unit in stock, putting the camera body or a compatible system unit over the photograph should give a fair idea of the unit's features.
iii) Prominence is given to units that are used most frequently. In principle, one leaf is devoted to each unit, and provision is made for the later addition of new material. For units not included in this file, please refer to the booklet manuals included at the back of the file.
iv) Specifications of the units are subject to change without notice. In particular, multilayer coating of Zuiko interchangeable lenses is being gradually introduced as and where necessary. New lens with multilayer coating can be identified by the initials MC. In addition, new lenses such as the Zuiko MC 18mm F3.5 will not have a "mirror finish" fringe on the front ring. This change will be gradually adopted on all lenses, and in the near future all will feature a black front ring.

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OLYMPUS OM SYSTEM

ZUIKO INTERCHANGEABLE LENS GROUP

LENS CAP(188) 72 55 49 | FILTER (186) 55 49 | LENS HOOD (187)

- FISHEYE 8mm F2.8 (101)
- FISHEYE 16mm F3.5(102)
- 72 mm
- 18mm F3.5 (111)
- 21mm F3.5 (112)
- 24mm F2 (113)
- 24mm F2.8 (114)
- 28mm F2 (121)
- 28mm F3.5 (122)
- 35mm F2 (123)
- 35mm F2.8 (124)
- SHIFT 35mm F2.8 (125)
- 55mm F1.2 (131)
- 50mm F1.4 (132)
- 50mm F1.8 (133)
- 50mm F3.5 (134)

FISHEYE / SUPER WIDE / WIDE / STANDARD

- MACRO 20mm F3.5 (171)
- MACRO 38mm F3.5 (172)
- PM-MTob(171, 172)
- 1:1 MACRO 80mm F4 (173)
- AUTO BELLOWS(512)

SPECIAL USE

REAR LENS CAP (188)

FILTERS (186)

SIZE / TYPE	49mm	55mm	72mm	100mm
1A	○	○	○	○
L39	○	○	○	○
ND2	○	○		
ND4	○	○		
POL	○	○		
Y48	○	○	○	○
056	○	○	○	○
R60	○	○	○	○
A4	○	○		
B4	○	○		

FINDER GROUP

+2 +1 0 -1 -2 -3 -4 -5

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- WINDER 1 (402)
- M. 6V BATTERY HOLDER 1(402)

OM-1 BODY (010) / OM-1 BLACK BODY(010) — OLYMPUS OM-1

OM-2 BODY (020) / OM-2 BLACK BODY(020) — OLYMPUS OM-2

PHOTOTECHNICAL GROUP

- MEMO HOLDER BACK 1
- RECORDATA BACK 1 (721)
- DOUBLE CABLE RELEASE (751)
- SR-II CABLE RELEASE (751)
- OM-MOUNT ASTROSCOPE ADAPTER(711)
- OM-MOUNT LENS ADAPTER FOR PEN F (731)
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- OM-MOUNT MTX ADAPTER(702)
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Notes:
- Some units may not be available in all markets. Contact your OLYMPUS distributor or dealer for specific information.
- Some units can be ordered from distributors of Olympus Endoscope and/or Microscope.

CAMERA BODY GROUP



❶ OM-1 ❷ OM-1 Black ❸ OM-2 ❹ OM-2 Black

OM-1 BODY



Characteristics

- A true system camera featuring outstanding functionality.
  Functionality: 1) Excellent portability (compact and lightweight body) + 2) Functionality in action (ease of operation, low noise and shock level, etc.). The more you use the OM-1, the more you will appreciate its speed and smoothness compared to its competitors.
  System: Complete compatibility with every unit of extensive system to tackle with precision any kind of subject.
- The OM-1 features, for example:
  - ultra bright, wide-vision viewfinder.
  - overlarge mirror free from image cut-off.
  - 13 interchangeable focusing screens.
  - high speed motor drive photography up to 5 frames per second.
  - reliability proven by 100,000 cycle tests.

Notes

- One 1.35V mercury battery is required to power the TTL exposure metering system. It must be replaced about once a year.
- Remove the battery to avoid leakage if the camera will not be used for a long period of time.
- Do not store the camera at high temperatures (over 50° C or 122° F) and high humidity.
- In extremely low temperatures (below −20° C or −4° F) the camera may not function normally. Warm it before use.
- When mounting the camera on a tripod, do not tighten the tripod screw excessively.

OM-1 BODY

● Rewind Crank, Rewind Knob/ Camera Back Release
Extra large and convenient. Pull out knob gently to unlock, more strongly to open camera back.

● Synchro Socket FP and X Flash Selector
Turn the red dot to "FP" for use with FP type bulbs and to "X" with electronic flash, M or MF type bulbs. With FP type bulbs any shutter speed up to 1/1000 sec. can be set, and with electronic flash the shutter can be set up to 1/60 sec.



● Shutter Speed Ring
Located on the lens mount to leave the right hand completely free to operate the shutter release, while the left hand can be used to regulate shutter speed, aperture and focus controls. The shutter is a twelve stage type with "B" and speeds from 1 second to 1/1,000 second.
Functions only at click-stop positions.

● Mirror Lock-Up Lever
Turned 90° counterclockwise to lock the mirror in the "UP" position. Can be set before or after film advance. The mirror lock-up capability is useful for photo copying, photo reproduction and a wide range of photographic situations such as photomicrography, high speed sequence photography utilizing the motor drive and wherever vibration should be reduced to a minimum.

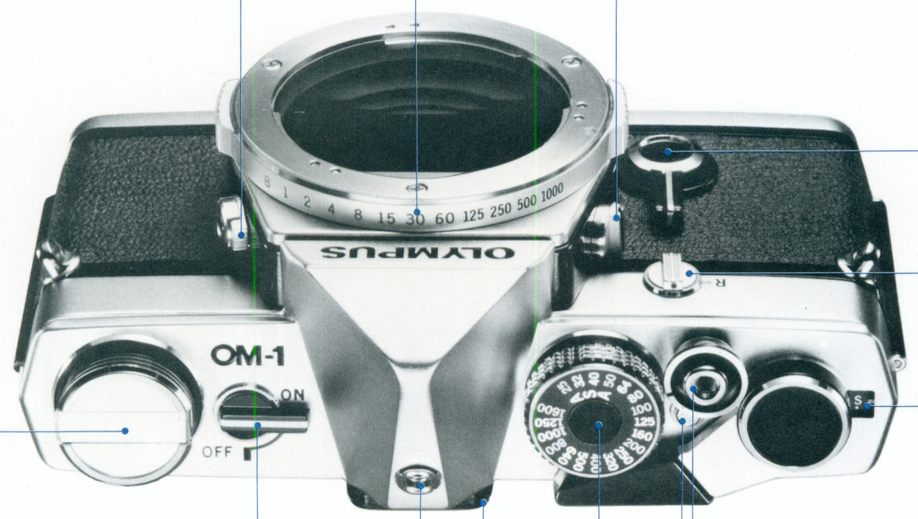


● Self-Timer Lever
Set by rotating counterclockwise. The self-timer is activated by pushing the start lever concealed under the timer-lever to the vertical position. The shutter release delay can be adjusted for any time between 4 and 12 seconds. The self-timer can be stopped during operation or reset.

● Rewind Release Lever
Moved from the bottom of the camera to the front. Ideal for film changing when the motor drive unit or a tripod is attached to the camera base. To rewind the film, turn the lever 90° counterclockwise to "R". Automatically resets when the film advance lever is operated.

● Viewfinder Eyepiece
Grooves on both sides of the eyepiece permit attachment of Varimagni Finder, Eyecup 1, dioptric correction lenses, etc. The eyepiece lens is recessed to protect it from dirt.

● Film Advance Lever
Single or multiple stroke film advance with a 150° winding angle. 30° pre-advance angle means thumb can be left in place for faster picture taking.





Actual size

● Hot Shoe Socket
The detachable hot shoe type Accessory Shoe 1 is screwed securely into this socket when required.

● Meter Switch Lever
Large and easy to use ON/OFF switch. Switching to ON initiates the flow of current from battery and activates the meter needle inside the viewfinder.

● Exposure Meter
Employs TTL type, open aperture light-measuring system.
The meter needle on the left is centered to give correct exposure settings by adjusting the shutter speed and lens aperture.



● Shutter Release Button
Located in the position naturally adopted by the index finger, and designed so that the finger is supported by the outer ring, for outstandingly soft, positive action.

● Film Speed Dial Film Speed Dial Release Button
The ASA value of the film is set by turning the dial while pressing the release button. This button ensures that the ASA dial is not turned accidentally. Film speeds from ASA 25 to 1,600 are marked. Large, easy to handle. Built within the dial to reduce camera height are parts of the metering system.

● Exposure Counter
Automatic reset, progressive type with dial calibrated; S., 1,2,4,6 and all even numbers up to 36.E.

● Motor Coupling Terminal
When motor drive is attached, this automatically completes the electrical circuit. An electrical control device prevents motor driven film advance while the shutter is open.

● Camera Back
Interchangeable with the Recordata Back 1 or the 250 Film Back 1. To remove, push down the hinge pin.

● Battery Chamber Cap
To load the 1.35V mercury battery, remove the cap and place the battery in the battery chamber making sure the positive side (+) is facing out. The exposure meter does not function if the battery is inserted incorrectly.

● Motor Drive Socket Cap
Unscrews to reveal mechanical connection for the motor drive.

OLYMPUS

OMIF · 0178T

OM-1 BODY

●Main Specifications

System: OLYMPUS OM System.

Unit type: 35mm Single Lens Reflex with focal plane shutter.

Film format: 24mm×36mm.

Lens mount: OLYMPUS OM Mount, bayonet type; rotation angle 70°, flange back 46mm.
Zuiko Interchangeable Lens Group mountable.

Shutter: Focal plane shutter, B., 1—1/1,000 sec., ring mounted control.

Synchro: FP·X switch type contact.

Exposure measurement: TTL type. Measuring system: Open aperture center-weighted metering.
Measuring range: EV2-17 (ASA 100 with F1.4 standard lens).
Light sensors: 2 CdS sensors. Zero-method with needle visible in viewfinder.
ON/OFF meter switch.

Film speed setting: ASA25-1600 with lock button.

Power source: 1.35V mercury battery (Eveready (or UCAR) EPX625, Mallory PX625 or equivalents).

Viewfinder: Pentaprism type wide-vision finder.

Focusing screens: Wide selection of interchangeable screens.
Standard type Focusing Screen 1-13 (microprism/split image-matte type).

Finder view-field: 97% of actual picture field.

Viewfinder magnification: 0.92× at infinity with standard 50mm lens.

Apparent field view: Vertical 23°30′, horizontal 35°.

Indicator in viewfinder: Exposure index.

Reflex mirror: Oversize, quick return type with lock-up.

Film loading: OLYMPUS easy loading.

Manual film advance: Lever type with 150° angle for one long or several short strokes, pre-advance angle 30°, self cocking, double advance and double exposure prevention.

Motor drive advance: With Motor Drive 1 unit attached, single frame and continuous advance at speed of 5 frames per second (at exposures of 1/500 sec. and above, with fresh batteries and at normal temperature and humidity).

Exposure counter: Progressive type with automatic reset.

Film rewind: Crank type, with rewind release lever setting, automatic return.

Self-timer: 4—12 second delay lever type with 180° maximum angle. Can be stopped and reset after actuation.

Camera back: Removable hinge type.
Interchangeable with Recordata Back 1 and 250 Film Back 1.

Hot shoe socket: Accessory Shoe 1 attachable.

Dimensions and weights: Body only: 136×83×50mm (5.35"×3.27"×1.97"), 510g (18.0 oz.) With F1.8 lens: 136×83×81mm (5.35"×3.27"×3.19"), 680g (24.0 oz.) With F1.4 lens: 136×83×86mm (5.35"×3.27"×3.39"), 740g (26.1 oz.) With F1.2 lens: 136×83×97mm (5.35"×3.27"×3.82"), 820g (28.9 oz.)

OM-2 BODY



Characteristics

The OM-2 retains the same characteristics as the OM-1, but adds the electronic shutter for automatic aperture-preferred exposure control, and to go with it, the revolutionary TTL Light Measuring Method.

- On "MANUAL", the OM-2 works in exactly the same way as the OM-1, and has exactly the same performance.
- **TTL Direct Light Measuring Method** (On "AUTO")
  Two SBC sensors are located in the mirror box, pointing to the film plane. They measure light reflected off the shutter curtain (in bright conditions) and/or the film surface (in dim conditions), and feed back the information on real time to the shutter control mechanism.
  - The sensors even measure electronic flash in fractions of 1/10,000 second (at close distances), and cut off the light at its source to perform the world's first TTL Centralized Control Flash (with Quick Auto 310 and Accessory Shoe 2).
  - Even during motor drive operation at 5 frames per second, correct exposure is made for each frame individually.
  - Exposure in far dimmer light than other system is possible (approx. 60 seconds at ASA 100 and F1.2).
  - Stray light through the camera eyepiece is excluded because the reading is made when the mirror is in the raised position. No eyepiece shutter is necessary.

Notes

- Two 1.5V silver oxide batteries are required as a power source for both "MANUAL" TTL exposure measurement and "AUTO" exposure control.
- For general notes, refer to OM-1, page 010.

OM-2 BODY

● Rewind Crank, Rewind Knob/ Camera Back Release
Extra large and convenient. Pull out knob gently to unlock, more strongly to open camera back.

● Synchro Socket FP and X Flash Selector
Turn the red dot to "FP" for use with FP type bulbs and to "X" with electronic flash, M or MF type bulbs. With FP type bulbs any shutter speed up to 1/1000 sec. can be set, and with electronic flash the shutter can be set up to 1/60 sec.

● Shutter Speed Ring (for "MANUAL" Operation)
Basically the same as on the OM-1. Switching to "AUTO" completely overrides the manual shutter setting, allowing the electronic mechanism to select the correct speed for the chosen aperture setting, except when the shutter is on "B". To avoid accidental error, a lock prevents setting of the position "B" until a reset button is pressed.

● Self-Timer Lever
Set by rotating counterclockwise. The self-timer is activated by pushing the start lever concealed under the timer-lever to the vertical position. The shutter release delay can be adjusted for any time between 4 and 12 seconds. The self-timer can be stopped during operation or reset.



● Selector Lever
Prominently located, and large for easy use, this lever has four positions. "AUTO", "MANUAL", "OFF" and "CHECK". It permits one touch switching between "AUTO" and "MANUAL" modes, regardless of the shutter speed ring setting. In addition it modifies the viewfinder display for extra convenience in use as well as to double check the mode selected. On "AUTO" the shutter speed scale is shown in the viewfinder, on "MANUAL" just the meter needle appears for TTL light measuring as with the OM-1, while on "OFF" the viewfinder remains completely blank. However, even on "OFF" the shutter will operate to give correct exposures within a normal photographic range. In the "CHECK" position a three-stage battery check is activated. The lever returns automatically from "CHECK" to "AUTO" to minimize battery usage.

● TTL Auto Flash Terminal
The light emission of the specially designed Quick Auto 310 electronic flash unit can be determined automatically by the TTL Direct Light Measuring sensors of the OM-2 via this contact.

● Hot Shoe Socket
The detachable hot shoe type Accessory Shoe 1 or 2 (for TTL Centralized Control flash) is screwed securely into this socket when required.

● Exposure Compensation Dial and Film Speed Dial
Allows easy exposure compensation up to ±2F stops in ⅓F stop increments. The thick white line crossing the dial shows immediately when an exposure compensation is set, and serves as a clear reminder to return the dial to the normal position after exposure. ASA film speed values from 12 to 1,600 are set on the same dial by lifting and twisting the outer ring. The unusual size of this dial not only makes adjustment easier and more positive, it provides room for an important part of the exposure measuring mechanism underneath, allowing the camera to retain a low design profile.

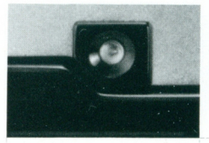
● Rewind Release Lever
Moved from the bottom of the camera to the front. Ideal for film changing when the motor drive unit or a tripod is attached to the camera base. To rewind the film, turn the lever 90° counterclockwise. Automatically resets when the film advance lever is operated.

● Shutter Release Button
Located in the position naturally adopted by the index finger, and designed so that the finger is supported by the outer ring, for outstandingly soft, positive action.

● Motor Coupling Terminal
When motor drive is attached, this automatically completes the electrical circuit. An electrical control device prevents motor driven film advance while the shutter is open.

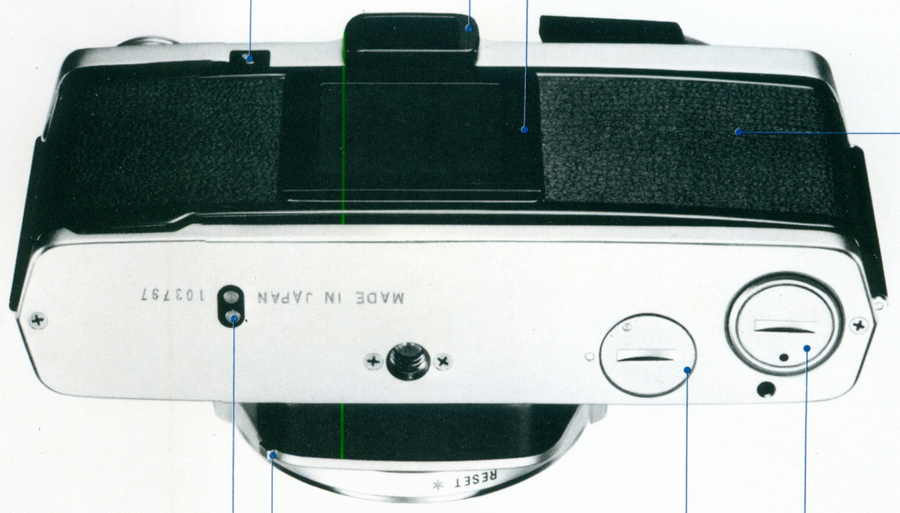
● Exposure Counter
Automatic reset, progressive type with dial calibrated: S..1,2.4.6 and all even numbers up to 36.E.

● Film Advance Lever
Single or multiple stroke film advance with a 150° winding angle. 30° pre-advance angle means thumb can be left in place for faster picture taking.

● Battery Check Lamp (Light Emitting Diode)

Activated by the selector lever on the top of the camera, the battery check lamp gives a three level indication of the battery condition. When battery level is satisfactory, it remains lit; when batteries are near exhaustion it flickers; and when batteries are completely exhausted, it does not light. An additional safeguard mechanism prevents photography when the batteries are dead, or incorrectly inserted. In such a case, mirror locks, the viewfinder goes dark, and the film advance is locked. The camera can then be reset by turning the shutter ring to the "RESET" position.

● Viewfinder Eyepiece
Lens is recessed for protection from dirt, and frame is grooved on both sides for attachment of Varimagni Finder, Eyecup 1, Dioptric Correction lenses, etc.
The TTL Direct Light Measuring Method excludes all possibility of stray light leaking through the eyepiece, eliminating the use of eyepiece shutter.

● Memo Holder
Serves as a film reminder, to hold the owner's name and address, etc. Memos are inserted from the bottom to avoid obstruction from eyepiece attachments and secured by loaded springs.



Actual size

● Reset Button


To prevent mistakes, "B" can only be set after releasing a safety lock. To reset, the shutter ring is turned to the "RESET" position while pressing down this button. The camera operates in the "AUTO" mode regardless of the shutter ring setting for any value except "B".

● Camera Back
Interchangeable with the Recordata Back 1 or the 250 Film Back 1. To remove, push down the hinge pin.

● Battery Chamber
Two 1.5V silver oxide batteries are used. To protect the IC at the heart of the electronic circuit, a safety circuit is activated to prevent reverse current flow if the batteries are inadvertently inserted upside down. Dead batteries or incorrect insertion give rise to the sequence described in the "Battery Check Lamp" section. In this case batteries should be reinserted only after resetting the camera as indicated.

● Motor Drive Socket Cap
Unscrews to reveal mechanical connection for the motor drive. The automatic exposure control capability of the OM-2 adds an extra dimension to motor drive performance.

OLYMPUS

OM-2 BODY

●Main Specifications

System: OLYMPUS OM System.

Unit type: 35mm Single Lens Reflex with automatic exposure control, electronic focal plane shutter.

Film format: 24mm×36mm.

Lens mount: OLYMPUS OM Mount, bayonet type; rotation angle 70°, flange back 46mm. Zuiko Interchangeable Lens Group mountable.

Shutter: Focal plane shutter, automatic exposure control from about 60 seconds to 1/1,000 second (ASA 100, F1.2 at normal temperature and humidity). Manual exposure: B., 1—1/1,000 sec., ring mounted control.

Synchro: FP·X switch type contact, incorrect flash prevention.

Automatic exposure control: Aperture-preferred automatic exposure control electronic shutter type. TTL Direct Light Measuring Method, center-weighted for bright, and averaging for dark conditions. Measuring range: ASA 100, from F1.2, about 60 seconds, to F16, 1/1,000 second (about EV—5.5—EV18) (at normal temperature and humidity). Light sensors: 2 SBC sensors. Large exposure compensation adjustment dial: ±2EV (within the ASA film speed range). Automatic flash exposure: Direct contacts for TTL Auto Flash.

Manual exposure: TTL type. Measuring system: Open aperture center-weighted metering. Measuring range: EV1.5—EV17 (ASA 100 with F1.2 standard lens). Light sensors: 2 CdS sensors. Zero-method with needle visible in viewfinder.

Film speed setting: ASA12—1600, set by lifting and rotating film speed dial.

Auto/Manual selection: By selector lever.

Battery check: 3-stage battery check lamp (light emitting diode) indicates full voltage, depleted charge, and exhaustion of batteries.

Power source: Two 1.5V silver oxide batteries (Eveready (or UCAR) S-76 or equivalents).

Viewfinder: Pentaprism type wide-vision finder.

Focusing screens: Wide selection of interchangeable screens. Standard type Focusing Screen 1-13 (microprism/split image-matte type).

Finder view-field: 97% of actual picture field.

Viewfinder magnification: 0.92× at infinity with standard 50mm lens.

Apparent field view: Vertical 23°30', horizontal 35°.

Indicators in viewfinder: By 3-stage selector lever. Auto: Shutter speed indicator.—Manual: Exposure index.—Off: Nothing.

Reflex mirror: Oversize, quick return type (without lock-up).

Film loading: OLYMPUS easy loading.

Manual film advance: Lever type with 150° angle for one long or several short strokes, pre-advance angle 30°, self cocking, double advance and double exposure prevention.

Motor drive advance: With Motor Drive 1 unit attached, single frame and continuous advance at speed of 5 frames per second (at exposures of 1/500 sec. and above, with fresh batteries and at normal temperature and humidity).

Exposure counter: Progressive type with automatic reset.

Film rewind: Crank type, with rewind release lever setting, automatic return.

Self-timer: 4—12 second delay lever type with 180° maximum angle. Can be stopped and reset after actuation.

Camera back: Removable hinge type, with memo holder. Interchangeable with Recordata Back 1 and 250 Film Back 1.

Hot shoe socket: Accessory Shoe 1 or 2 attachable.

Dimensions and weights: Body only: 136×83×50mm (5.35"×3.27"×1.97"), 520g (18.3oz.)
With F1.8 lens: 136×83×81mm (5.35"×3.27"×3.19"), 690g (24.3oz.)
With F1.4 lens: 136×83×86mm (5.35"×3.27"×3.39"), 750g (26.5oz.)
With F1.2 lens: 136×83×97mm (5.35"×3.27"×3.82"), 830g (29.3oz.)

ZUIKO INTERCHANGEABLE LENS GROUP



❶ Zuiko Fisheye 8mm F2.8 ❷ Zuiko Fisheye 16mm F3.5 ● Zuiko MC 18mm F3.5 ❸ Zuiko 21mm F3.5 ❹ Zuiko MC 24mm F2
❺ Zuiko 24mm F2.8 ❻ Zuiko MC 28mm F2 ❼ Zuiko 28mm F3.5 ❽ Zuiko MC 35mm F2 ❾ Zuiko 35mm F2.8 ● Zuiko Shift 35mm F2.8
❿ Zuiko 55mm F1.2 ⓫ Zuiko 50mm F1.4 ⓬ Zuiko 50mm F1.8 ⓭ Zuiko Macro 50mm F3.5 ⓮ Zuiko Zoom 75-150mm F4
⓯ Zuiko 85mm F2 ⓰ Zuiko 100mm F2.8 ⓱ Zuiko 135mm F2.8 ⓲ Zuiko 135mm F3.5 ⓳ Zuiko 200mm F4 ⓴ Zuiko 200mm F5
㉑ Zuiko 300mm F4.5 ㉒ Zuiko 400mm F6.3 ㉓ Zuiko 600mm F6.5 ㉔ Zuiko 1000mm F11 ㉕ Zuiko Macro 20mm F3.5
㉖ Zuiko Macro 38mm F3.5 ㉗ Zuiko 1:1 Macro 80mm F4 ㉘ Filters ㉙ Lens Hoods ㉚ Lens Caps

ZUIKO FISHEYE 8mm F2.8



Characteristics

- A 23-mmϕ circular image, covering entire hemisphere, is formed on film.
- Designed according to the equisolid angle projection formula, the lens is an excellent choice for scientific applications.
- It is extremely compact and fast for a fish-eye lens.
- It requires no mirror lock-up in use.

Applications

- Scientific field: measurement of heavenly bodies, azimuth, amount of cloud cover, etc.
- Artistic field: creative 'fisheye' photography.

Notes • Related Units

- Midway setting of the filter switch dial will cast a partial shadow on the picture.
- The protruding front surface must be protected with a cap when not in use.
- The aperture diaphragm does not couple to the exposure meter.
- Compatible focusing screens: 1-1～1-5, 1-10, 1-13 (p. 201)

Specifications

Angle of view	Optical construction Element-Group	Diaphragm	F/stop range	Min. focus (ft.)	Min. photographic range (in.)	Focusing	Weight (oz.)	Length (in.)	Max. diameter (in.)	Hood	Filter
180° (circle)	11-7	Auto.	2.8-22	0.2m (0.7)	———	Straight helicoid	640g. (22.6)	82mm (3.2)	102mm (4)	Not necessary	Built-in (L39,Y48,056,R60)

OM ZUIKO FISHEYE 8mm F2.8

● Zuiko Lens
7 groups 11 elements
Angle of view: 180°
(circular image of 23mm in diameter)



Actual size

● Aperture Ring
Intermediate values between numbers on the dial can be used for fine exposure adjustments. All OM System interchangeable lenses feature automatic diaphragms, except shift and a few macro lenses.

● Focusing Ring
Focusing is fast and precise aided by the sleeve of textured, non-slip rubber fitted to the ring.

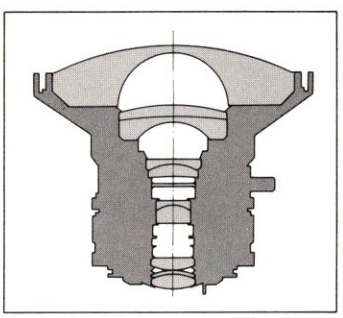
● Lens Release Button
Bayonet type interchangeable lenses are quickly removed by pressing this button and turning 70°counterclockwise. During mounting(after aligning red dots), the button should not be pressed.

● Automatic Diaphragm Lever
This lever closes down the lens diaphragm to the preselected aperture at the moment the shutter is released.

● Filter Switch Dial
Four filters are built in: L39(UV), Y48 (Y2), O56(O2) and R60(R1)

● Depth of Field Preview Button
Pressing this button closes down the lens diaphragm to the preselected aperture for viewing depth of field.

● Infrared Index Mark
A reference dot to adjust camera-to-subject distance when using infrared films. The normally determined distance reading should be aligned with this mark.



Depth of Field Table

Figures with ※ are engraved on the distance scale

Distance scale		Camera-to-subject distance (meters) Circle of least confusion 1/30mm.									
		※0.2	※0.25	0.3	0.4	※0.5	0.7	※1	2	3	※∞
F-stop	2.8	0.19~0.21	0.23~0.29	0.26~0.37	0.31~0.60	0.36~0.97	0.43~3.30	0.50~∞	0.63~∞	0.68~∞	0.83~∞
	4	0.18~0.22	0.22~0.31	0.24~0.42	0.29~0.81	0.33~1.84	0.38~∞	0.43~∞	0.50~∞	0.53~∞	0.61~∞
	5.6	0.18~0.23	0.21~0.35	0.23~0.53	0.27~1.64	0.29~∞	0.33~∞	0.36~∞	0.41~∞	0.42~∞	0.46~∞
	8	0.17~0.26	0.20~0.45	0.21~0.93	0.24~∞	0.26~∞	0.28~∞	0.30~∞	0.32~∞	0.33~∞	0.35~∞
	11	0.17~0.30	0.18~0.77	0.20~∞	0.22~∞	0.23~∞	0.24~∞	0.25~∞	0.27~∞	0.27~∞	0.28~∞
	16	0.16~0.48	0.17~∞	0.18~∞	0.19~∞	0.20~∞	0.20~∞	0.21~∞	0.22~∞	0.22~∞	0.23~∞
	22	0.15~∞	0.16~∞	0.16~∞	0.17~∞	0.18~∞	0.18~∞	0.18~∞	0.19~∞	0.19~∞	0.19~∞

Depth of Field Table

Figures with ※ are engraved on the distance scale

Distance scale		Camera-to-subject distance (feet) Circle of least confusion 1/760in.												
		※9"	10"	※1	※1.25	1.5	2	3	4	※6	8	10	※∞
F-stop	2.8	0.69~0.84	0.75~0.96	0.86~1.25	1.00~1.81	1.12~2.59	1.32~5.71	1.59~∞	1.78~∞	2.01~∞	2.15~∞	2.25~∞	2.72~∞
	4	0.67~0.88	0.72~1.03	0.81~1.43	0.93~2.33	1.02~4.08	1.17~100.83	1.36~∞	1.48~∞	1.62~∞	1.70~∞	1.76~∞	2.00~∞
	5.6	0.64~0.97	0.68~1.17	0.76~1.81	0.85~4.07	0.92~29.93	1.03~∞	1.16~∞	1.23~∞	1.32~∞	1.36~∞	1.39~∞	1.52~∞
	8	0.61~1.14	0.65~1.51	0.70~3.36	0.77~∞	0.82~∞	0.89~∞	0.97~∞	1.01~∞	1.06~∞	1.08~∞	1.10~∞	1.16~∞
	11	0.58~1.57	0.61~2.73	0.65~∞	0.70~∞	0.73~∞	0.77~∞	0.82~∞	0.85~∞	0.87~∞	0.89~∞	0.90~∞	0.93~∞
	16	0.54~10.14	0.56~∞	0.59~∞	0.62~∞	0.64~∞	0.66~∞	0.69~∞	0.70~∞	0.71~∞	0.72~∞	0.73~∞	0.74~∞
	22	0.51~∞	0.52~∞	0.54~∞	0.56~∞	0.57~∞	0.58~∞	0.60~∞	0.61~∞	0.61~∞	0.62~∞	0.62~∞	0.63~∞

OLYMPUS

ZUIKO FISHEYE 16mm F3.5



Characteristics

- The 180° diagonal angle of view produces panoramic hemispherical perspective.
- The 44-mmϕ image circle covers 35mm film format fully.
- It is incomparably compact for a fisheye with maximum aperture of F3.5.
- It requires no mirror lock-up in use.

Applications

- Special effects taking advantage of the distortion typical of a fisheye.

Notes · Related Units

- Midway setting of the filter switch dial will cast a partial shadow on the picture.
- The protruding front surface must be protected with a cap when not in use.
- Compatible focusing screens: 1-1～1-5, 1-10, 1-13 (p. 201)

Specifications

Angle of view	Optical construction Element-Group	Diaphragm	F/stop range	Min. focus (ft.)	Min. photographic range (in.)	Focusing	Weight (oz.)	Length (in.)	Max. diameter (in.)	Hood	Filter
180°	11-8	Auto.	3.5-22	0.2m (0.7)	———	Straight helicoid	180gr. (6.3)	31mm (1.2)	59mm (2.3)	Not necessary	Built-in (L39,Y48,056)

OM SYSTEM ZUIKO FISHEYE 16mm F3.5

● Zuiko Lens
8 groups 11 elements
Angle of view: 180° (diagonal)



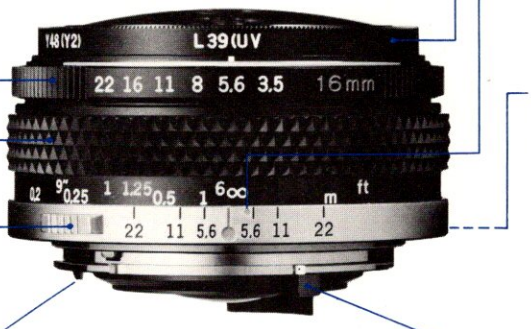
Actual size

● Aperture Ring
Intermediate values between numbers on the dial can be used for fine exposure adjustments. All OM System interchangeable lenses feature automatic diaphragms, except shift and a few macro lenses.

● Focusing Ring
Focusing is fast and precise aided by the sleeve of textured, non-slip rubber fitted to the ring.

● Lens Release Button
Bayonet type interchangeable lenses are quickly removed by pressing this button and turning 70°counterclockwise. During mounting(after aligning red dots), the button should not be pressed.

● Automatic Diaphragm Lever
This lever closes down the lens diaphragm to the preselected aperture at the moment the shutter is released.

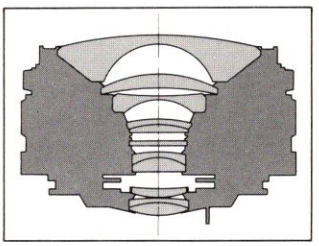


● Filter Switch Dial
Three filters are built in: L39(UV), Y48 (Y2) and O56 (O2).

● Infrared Index Mark
A reference line to adjust camera-to-subject distance when using infrared films. The normally determined distance reading should be aligned with this mark.

● Depth of Field Preview Button
Pressing this button closes down the lens diaphragm to the preselected aperture for viewing depth of field.

● Meter coupling Lever
This lever transmits selected apertures to the exposure meter.



Depth of Field Table

Figures with ※ are engraved on the distance scale

F-stop \ Distance scale	※0.2	※0.25	0.3	0.4	※0.5	0.7	※1	2	3	※∞
3.5	0.19~0.21	0.24~0.27	0.28~0.33	0.36~0.46	0.43~0.60	0.56~0.95	0.72~1.66	1.10~13.31	1.34~∞	2.32~∞
4	0.19~0.21	0.23~0.27	0.27~0.33	0.35~0.47	0.42~0.62	0.54~1.00	0.70~1.84	1.04~78.25	1.24~∞	2.03~∞
5.6	0.19~0.21	0.23~0.28	0.27~0.35	0.33~0.50	0.40~0.69	0.50~1.22	0.62~2.82	0.88~∞	1.01~∞	1.47~∞
8	0.18~0.22	0.22~0.29	0.25~0.35	0.31~0.57	0.37~0.84	0.45~1.83	0.54~15.76	0.71~∞	0.80~∞	1.04~∞
11	0.18~0.23	0.21~0.31	0.24~0.41	0.29~0.69	0.33~1.16	0.40~5.23	0.47~∞	0.58~∞	0.63~∞	0.77~∞
16	0.17~0.25	0.20~0.36	0.22~0.51	0.26~1.09	0.29~3.45	0.34~∞	0.38~∞	0.45~∞	0.48~∞	0.55~∞
22	0.16~0.28	0.19~0.44	0.21~0.73	0.24~4.17	0.26~∞	0.29~∞	0.32~∞	0.36~∞	0.38~∞	0.41~∞

Depth of Field Table

Figures with ※ are engraved on the distance scale

F-stop \ Distance scale	※9″	10″	※1	※1.25	1.5	2	3	4	※6	8	10	※∞
3.5	0.71~0.79	0.78~0.89	0.92~1.09	1.12 1.42	1.31~1.77	1.65~2.57	2.23~4.68	2.71~7.95	3.45~26.35	4.00~∞	4.42~∞	7.59~∞
4	0.71~0.80	0.78~0.90	0.91~1.11	1.11~1.45	1.28~1.82	1.16~2.68	2.16~5.10	2.60~9.29	3.26~52.45	3.74~∞	4.10~∞	6.67~∞
5.6	0.69~0.82	0.76~0.93	0.88~1.16	1.06~1.55	1.22~2.00	1.50~3.12	1.94~7.19	2.29~20.61	2.77~∞	3.10~∞	3.34~∞	4.81~∞
8	0.67~0.86	0.73~0.98	0.84~1.25	0.99~1.74	1.13~2.35	1.36~4.18	1.70~19.41	1.95~∞	2.27~∞	2.48~∞	2.63~∞	3.42~∞
11	0.65~0.91	0.70~1.05	0.80~1.39	0.93~2.06	1.04~3.04	1.22~7.45	1.48~∞	1.65~∞	1.87~∞	2.00~∞	2.09~∞	2.54~∞
16	0.61~1.01	0.66~1.21	0.74~1.74	0.84~3.06	0.92~6.24	1.05~∞	1.22~∞	1.33~∞	1.46~∞	1.53~∞	1.58~∞	1.80~∞
22	0.58~1.19	0.61~1.49	0.68~2.53	0.76~8.00	0.82~∞	0.91~∞	1.02~∞	1.09~∞	1.17~∞	1.21~∞	1.24~∞	1.36~∞

OLYMPUS

ZUIKO MC 18mm F3.5



Characteristics

- This lens spans an incredible 100° angle of view.
- Fast, compact and provides full aperture, TTL viewing (no mirror lock-up is required).
- Dramatically exaggerated perspective effects are possible without distortion.
- The lens is multicoated, minimizing ghosts and flare.
- Floating elements automatically eliminate aberrations when the lens is used at close distances.

Applications

- Dramatic interior, architectural and creative "wide effect" photography.

Notes • Related Units

- To protect the lens surface, replace the cap when not in use.
- The optional Adapter Ring 49→72 is necessary to use a filter. This unit also acts as a lens hood.
- Compatible focusing screens: 1-1～1-5, 1-10, 1-13 (p.201)

Specifications

Angle of view	Optical construction Element-Group	Diaphragm	F/stop range	Min focus (ft.)	Min. photographic range (in.)	Focusing	Weight (oz.)	Length (in.)	Max. diameter (in.)	Hood	Filter
100°	11-9	Auto.	3.5-16	0.25m (0.8)	30×20cm (11.8×7.9)	Straight helicoid	250g (8.8)	42mm (1.7)	62mm (2.4)	49mm Adapter Ring 49→72	72mm Screw-in (w/Adapter Ring 49→72)

OM SYSTEM ZUIKO MC 18mm F3.5

● Zuiko lens
9 groups 11 elements
Angle of view: 100°

● Front Mount Ring
Filter size: 72mmϕ
Hood: Adapter Ring 49→72mm



● Adapter Ring 49→72 mm
(optional)



● Aperture Ring
Intermediate values between numbers on the dial can be used for fine exposure adjustments. All OM System interchangeable lenses feature automatic diaphragms, except shift and a few macro lenses.

● Focusing Ring
Focusing is fast and precise aided by the sleeve of textured, non-slip rubber fitted to the ring.

● Lens Release Button
Bayonet type interchangeable lenses are quickly removed by pressing this button and turning 70° counterclockwise. During mounting (after aligning red dots), the button should not be pressed.

● Automatic Diaphragm Lever
This lever closes down the lens diaphragm to the preselected aperture at the moment the shutter is released.

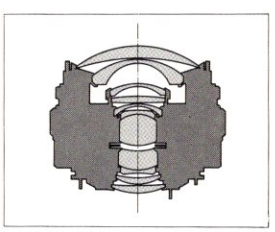


Actual size

● Depth of Field Preview Button
Pressing this button closes down the lens diaphragm to the preselected aperture for viewing depth of field.

● Meter Coupling Lever
This lever transmits selected apertures to the exposure meter.

● Infrared Index Mark
A reference line to adjust camera-to-subject distance when using infrared films. The normally determined distance reading should be aligned with this mark.



Depth of Field Table

Figures with ※ are engraved on the distance scale

Distance scale		Camera-to-subject distance (meters) Circle of least confusion 1/30 mm.									
		※0.25	0.3	0.4	※0.5	0.7	※1	2	※3	5	※∞
F-stop	3.5	0.24~0.26	0.29~0.32	0.37~0.44	0.45~0.56	0.60~0.86	0.79~1.40	1.25~5.45	1.56~∞	1.93~∞	3.04~∞
	4	0.24~0.26	0.28~0.32	0.37~0.44	0.44~0.58	0.59~0.89	0.76~1.49	1.19~7.30	1.46~∞	1.78~∞	2.67~∞
	5.6	0.24~0.26	0.28~0.33	0.36~0.46	0.48~0.61	0.55~0.97	0.70~1.87	1.03~∞	1.22~∞	1.43~∞	1.93~∞
	8	0.23~0.27	0.27~0.34	0.34~0.49	0.40~0.68	0.51~1.23	0.62~3.09	0.86~∞	0.98~∞	1.11~∞	1.38~∞
	11	0.23~0.28	0.26~0.36	0.32~0.55	0.38~0.80	0.46~1.78	0.55~20.6	0.72~∞	0.80~∞	0.88~∞	1.02~∞
	16	0.22~0.30	0.25~0.39	0.30~0.67	0.34~1.16	0.40~8.28	0.47~∞	0.57~∞	0.62~∞	0.66~∞	0.73~∞

Depth of Field Table

Figures with ※ are engraved on the distance scale

Distance scale		Camera-to-subject distance (feet) Circle of least confusion 1/760in.										
		10"	※1	※1.25	1.5	※2	3	4	※6	8	10	※∞
F-stop	3.5	0.81~0.86	0.95~1.05	1.17~1.35	1.37~1.67	1.75~2.36	2.41~4.03	2.98~6.27	3.89~14.06	4.59~37.25	5.14~∞	9.95~∞
	4	0.80~0.87	0.95~1.06	1.16~1.37	1.35~1.69	1.72~2.42	2.35~4.25	2.88~6.84	3.71~17.53	4.33~80.82	4.82~∞	8.75~∞
	5.6	0.79~0.88	0.93~1.09	1.12~1.42	1.30~1.79	1.63~2.65	2.17~5.14	2.60~9.71	3.23~88.94	3.68~∞	4.02~∞	6.33~∞
	8	0.78~0.90	0.90~1.13	1.08~1.52	1.24~1.96	1.52~3.11	1.95~7.61	2.27~27.76	2.73~∞	3.03~∞	3.24~∞	4.51~∞
	11	0.76~0.94	0.87~1.20	1.03~1.66	1.17~2.24	1.40~4.02	1.74~20.33	1.98~∞	2.29~∞	2.49~∞	2.63~∞	3.36~∞
	16	0.73~1.00	0.83~1.32	0.96~1.98	1.07~2.98	1.24~8.28	1.48~∞	1.64~∞	1.84~∞	1.95~∞	2.03~∞	2.39~∞

OLYMPUS

ZUIKO 21mm F3.5



Characteristics

- It expresses dynamic perspective typical of super wideangle lenses.
- It achieves unprecedented compactness as indicated by the 49mm filter size.
- It has unusually high resolution and contrast due to newly developed design.
- Aberration compensation is well balanced and the lens features superb image quality even at close focusing distances.

Applications

- Architecture and restricted interiors
- Snapshots
- Panoramic landscapes and skies
- Exaggerated perspective effects

Notes · Related Units

- Use of a non-Olympus filter may darken picture corners.
- Combination use of two filters, or a filter and lens hood, may darken picture corners.
- Lens hood is sold separately. (p.187)
- Compatible focusing screens: 1-1～1-5, 1-10, 1-13 (p. 201)

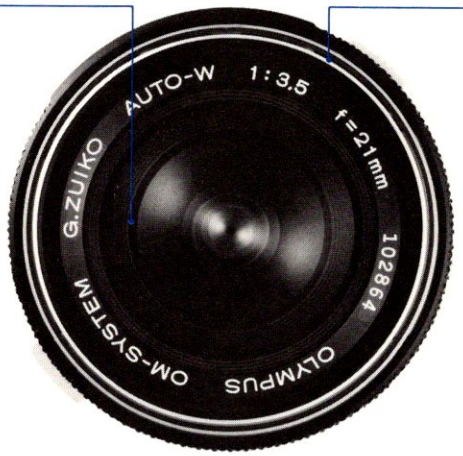
Specifications

Angle of view	Optical construction Element-Group	Diaphragm	F/stop range	Min. focus (ft.)	Min. photographic range (in.)	Focusing	Weight (oz.)	Length (in.)	Max. diameter (in.)	Hood	Filter
92°	7-7	Auto.	3.5-16	0.2m (0.7)	21×14cm (8.3×5.5)	Straight helicoid	180g. (6.3)	31mm (1.2)	59mm (2.3)	49mm Screw-in	49mm Screw-in

OM ZUIKO 21mm F3.5

● Zuiko Lens
7 groups 7 elements
Angle of view: 92°

● Front Mount Ring
Filter size: 49mmϕ
Hood: 49mmϕ screw-in (optional)

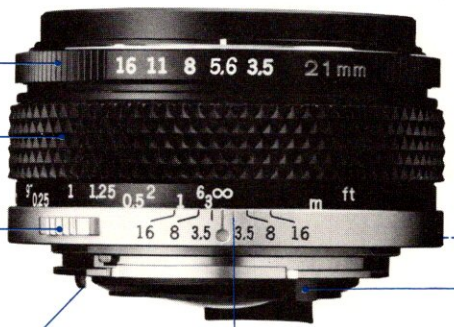


● Aperture Ring
Intermediate values between numbers on the dial can be used for fine exposure adjustments. All OM System interchangeable lenses feature automatic diaphragms, except shift and a few macro lenses.

● Depth of Field Preview Button
Pressing this button closes down the lens diaphragm to the preselected aperture for viewing depth of field.

● Focusing Ring
Focusing is fast and precise aided by the sleeve of textured, non-slip rubber fitted to the ring.

Actual size

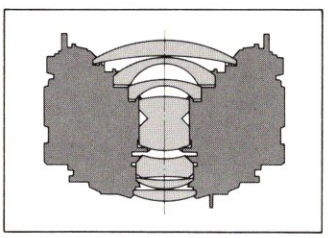


● Meter Coupling Lever
This lever transmits selected apertures to the exposure meter.

● Lens Release Button
Bayonet type interchangeable lenses are quickly removed by pressing this button and turning 70°counterclockwise. During mounting(after aligning red dots), the button should not be pressed.

● Automatic Diaphragm Lever
This lever closes down the lens diaphragm to the preselected aperture at the moment the shutter is released.

● Infrared Index Mark
A reference line to adjust camera-to-subject distance when using infrared films. The normally determined distance reading should be aligned with this mark.



Depth of Field Table

Figures with ※ are engraved on the distance scale

Distance scale		Camera-to-subject distance (meters) Circle of least confusion 1/30mm.										
		※0.2	※0.25	0.3	0.4	※0.5	0.7	※1	2	※3	5	※∞
F-stop	3.5	0.20~0.20	0.24~0.26	0.29~0.32	0.37~0.43	0.46~0.56	0.61~0.82	0.82~1.30	1.35~3.91	1.73~11.88	2.24~∞	3.95~∞
	4	0.20~0.21	0.24~0.26	0.28~0.32	0.37~0.44	0.45~0.56	0.60~0.84	0.80~1.34	1.31~4.38	1.66~17.83	2.11~∞	3.56~∞
	5.6	0.19~0.21	0.24~0.27	0.28~0.33	0.36~0.45	0.43~0.59	0.57~0.92	0.74~1.57	1.15~8.80	1.40~∞	1.71~∞	2.53~∞
	8	0.19~0.21	0.23~0.27	0.27~0.34	0.35~0.48	0.41~0.65	0.53~1.06	0.67~2.07	0.98~∞	1.16~∞	1.35~∞	1.80~∞
	11	0.19~0.22	0.23~0.28	0.26~0.36	0.33~0.53	0.38~0.74	0.48~1.37	0.59~3.83	0.81~∞	0.93~∞	1.05~∞	1.29~∞
	16	0.18~0.22	0.22~0.30	0.25~0.39	0.31~0.61	0.35~0.93	0.43~2.34	0.51~∞	0.66~∞	0.73~∞	0.80~∞	0.93~∞

Depth of Field Table

Figures with ※ are engraved on the distance scale

Distance scale		Camera-to-subject distance (feet) Circle of least confusion 1/760in.												
		※9"	10"	※1	※1.25	1.5	※2	3	4	※6	10	15	※∞
F-stop	3.5	0.73~0.77	0.80~0.87	0.95~1.05	1.17~1.34	1.38~1.65	1.78~2.29	2.50~3.78	3.13~5.60	4.19~10.79	5.74~41.66	7.05~∞	12.95~∞
	4	0.73~0.78	0.80~0.87	0.95~1.06	1.16~1.35	1.37~1.66	1.76~2.33	2.45~3.90	3.05~5.87	4.05~11.85	5.49~64.75	6.66~∞	11.67~∞
	5.6	0.72~0.79	0.79~0.88	0.93~1.09	1.13~1.40	1.32~1.75	1.67~2.51	2.28~4.46	2.79~7.30	3.58~20.16	4.64~∞	5.44~∞	8.30~∞
	8	0.70~0.81	0.77~0.91	0.90~1.13	1.09~1.48	1.26~1.88	1.57~2.81	2.08~5.62	2.48~11.26	3.08~∞	3.81~∞	4.33~∞	5.92~∞
	11	0.69~0.83	0.75~0.95	0.87~1.19	1.03~1.61	1.18~2.10	1.45~3.41	1.85~9.01	2.16~51.12	2.58~∞	3.06~∞	3.37~∞	4.23~∞
	16	0.66~0.87	0.72~1.00	0.83~1.30	0.97~1.84	1.09~2.55	1.30~4.92	1.61~72.71	1.83~∞	2.11~∞	2.40~∞	2.58~∞	3.04~∞

OLYMPUS

ZUIKO MC 24mm F2



Characteristics

- This is the fastest 24mm lens available today.
- It offers more striking wide angle effects than the 28mm lens which is now considered a "normal" wide-angle.
- It incorporates a floating element group to provide superior image quality at close focusing distances.
- The design is so compact it accepts a 55 mm filter.

Applications

- Snapshots of night scenes taking advantage of the fast lens speed.
- Architecture and restricted interiors
- Snapshots
- Exaggerated perspective effects
- Family gatherings

Notes · Related Units

- Lens hood is sold separetely. (p.187)
- Compatible focusing screens: 1-1～1-5, 1-10, 1-13. (p.201)

Specifications

Angle of view	Optical construction Element-Group	Diaphragm	F/stop range	Min. focus (ft.)	Min. photographic range (in)	Focusing	Weight (oz.)	Length (in.)	Max. diameter (in.)	Hood	Filter
84°	10-8	Auto.	2-16	0.25m (0.8)	23×15cm (9×5.9)	Straight helicoid	280g. (9.9)	48mm (1.9)	60mm (2.4)	55mm Screw-in	55mm Screw-in

OM SYSTEM ZUIKO MC 24mm F2

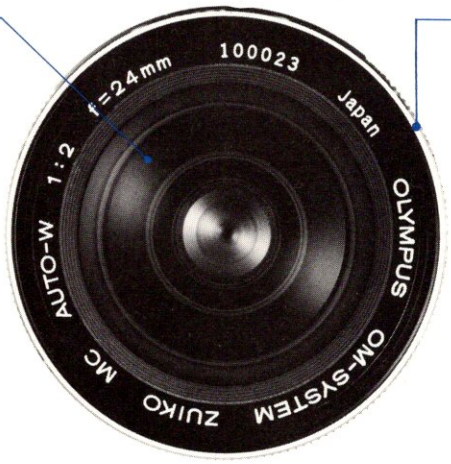
● Zuiko Lens
8 groups 10 elements, multi-coated
Angle of view: 84°

● Aperture Ring
Intermediate values between numbers on the dial can be used for fine exposure adjustments. All OM System interchangeable lenses feature automatic diaphragms, except shift and a few macro lenses.

● Focusing Ring
Focusing is fast and precise aided by the sleeve of textured, non-slip rubber fitted to the ring.

● Lens Release Button
Bayonet type interchangeable lenses are quickly removed by pressing this button and turning 70°counterclockwise. During mounting(after aligning red dots), the button should not be pressed.

● Automatic Diaphragm Lever
This lever closes down the lens diaphragm to the preselected aperture at the moment the shutter is released.



Actual size

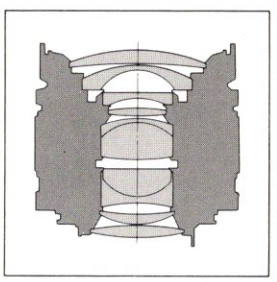


● Front Mount Ring
Filter size: 55mmϕ
Hood: 55mmϕ screw-in (optional)

● Depth of Field Preview Button
Pressing this button closes down the lens diaphragm to the preselected aperture for viewing depth of field.

● Meter Coupling Lever
This lever transmits selected apertures to the exposure meter.

● Infrared Index Mark
A reference line to adjust camera-to-subject distance when using infrared films. The normally determined distance reading should be aligned with this mark.



Depth of Field Table

Figures with ※ are engraved on the distance scale

Distance scale		Camera-to-subject distance (meters) Circle of least confusion 1/30mm.									
		※0.25	0.3	0.4	※0.5	0.7	※1	2	※3	5	※∞
F-stop	2	0.25~0.25	0.30~0.31	0.39~0.41	0.48~0.52	0.66~0.74	0.92~1.09	1.69~2.46	2.34~4.21	3.37~9.77	10.05~∞
	2.8	0.25~0.25	0.29~0.31	0.39~0.42	0.48~0.53	0.65~0.76	0.89~1.14	1.59~2.71	2.15~5.03	2.99~15.90	7.20~∞
	4	0.24~0.26	0.29~0.31	0.38~0.42	0.47~0.54	0.63~0.79	0.85~1.21	1.46~3.21	1.92~7.11	2.55~288.48	5.06~∞
	5.6	0.24~0.26	0.29~0.32	0.37~0.43	0.45~0.56	0.61~0.83	0.81~1.32	1.32~4.25	1.68~16.07	2.14~∞	3.63~∞
	8	0.24~0.26	0.28~0.32	0.36~0.45	0.44~0.59	0.57~0.91	0.75~1.54	1.16~8.36	1.42~∞	1.73~∞	2.56~∞
	11	0.23~0.26	0.28~0.33	0.35~0.47	0.42~0.63	0.54~1.03	0.69~1.95	1.00~∞	1.19~∞	1.39~∞	1.88~∞
	16	0.23~0.28	0.27~0.35	0.33~0.51	0.39~0.72	0.49~1.32	0.60~3.58	0.83~∞	0.94~∞	1.06~∞	1.31~∞

Depth of Field Table

Figures with ※ are engraved on the distance scale

Distance scale		Camera-to-subject distance (feet) Circle of least confusion 1/760in.									
		※1	※1.25	1.5	※2	3	4	※6	10	15	※∞
F-stop	2	0.98~1.02	1.22~1.28	1.45~1.55	1.91~2.10	2.79~3.25	3.61~4.49	5.14~7.23	7.76~14.13	10.41~27.05	32.91~∞
	2.8	0.98~1.02	1.21~1.30	1.44~1.57	1.88~2.14	2.71~3.37	3.48~4.72	4.86~7.88	7.12~16.95	9.29~40.01	23.58~∞
	4	0.97~1.04	1.19~1.32	1.41~1.60	1.83~2.21	2.60~3.56	3.30~5.12	4.50~9.11	6.35~24.27	8.00~144.34	16.58~∞
	5.6	0.95~1.05	1.17~1.34	1.38~1.65	1.77~2.31	2.47~3.85	3.08~5.77	4.10~11.54	5.55~57.77	6.76~∞	11.90~∞
	8	0.94~1.08	1.14~1.39	1.33~1.73	1.69~2.48	2.30~4.39	2.81~7.16	3.61~19.41	4.68~∞	5.49~∞	8.39~∞
	11	0.92~1.11	1.10~1.45	1.28~1.83	1.60~2.73	2.12~5.36	2.54~10.32	3.16~143.36	3.92~∞	4.46~∞	6.16~∞
	16	0.88~1.17	1.05~1.57	1.20~2.05	1.47~3.31	1.88~8.55	2.19~41.55	2.6 ~∞	3.10~∞	3.42~∞	4.30~∞

OLYMPUS

ZUIKO 24mm F2.8



Characteristics

- Amazingly compact and pleasant to use.
- The 24mm is a typical "super" wide angle lens now that the 28mm is considered a "normal" wide-angle.
- It yields edge-to-edge sharpness, true flat-field reproduction and freedom from distortion.

Applications

- Family gatherings
- Architecture and restricted interiors
- Snapshots
- Exaggerated perspective

Notes · Related Units

- Compatible focusing screens: 1-1～1-5, 1-10, 1-13 (p. 201)

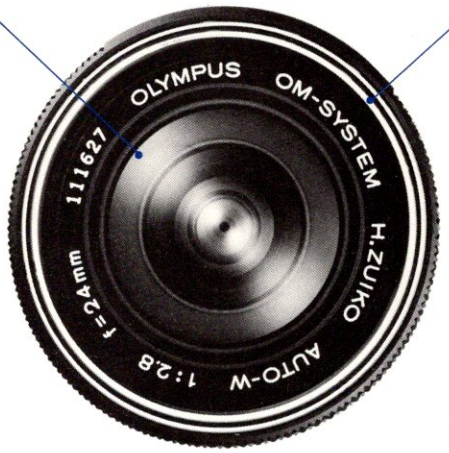
Specifications

Angle of view	Optical construction Element-Group	Diaphragm	F/stop range	Min. focus (ft.)	Min. photographic range (in.)	Focusing	Weight (oz.)	Length (in.)	Max. diameter (in.)	Hood	Filter
84°	8-7	Auto.	2.8-16	0.25m (0.8)	23×15cm (9×5.9)	Straight helicoid	180g. (6.3)	31mm (1.2)	59mm (2.3)	49mm Screw-in	49mm Screw-in

OM SYSTEM ZUIKO 24mm F2.8

● Zuiko Lens
7 groups 8 elements
Angle of view: 84°

● Front Mount Ring
Filter size: 49mmϕ
Hood: 49mmϕ screw-in
(sold with lens as a set) (p.187)

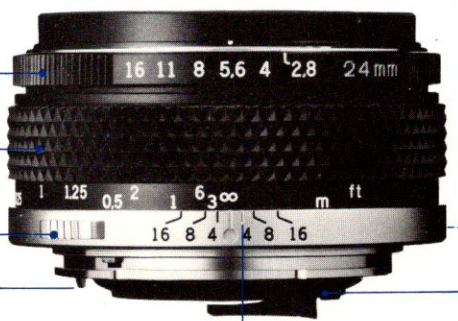


Actual size

● Aperture Ring
Intermediate values between numbers on the dial can be used for fine exposure adjustments. All OM System interchangeable lenses feature automatic diaphragms, except shift and a few macro lenses.

● Depth of Field Preview Button
Pressing this button closes down the lens diaphragm to the preselected aperture for viewing depth of field.

● Focusing Ring
Focusing is fast and precise aided by the sleeve of textured, non-slip rubber fitted to the ring.

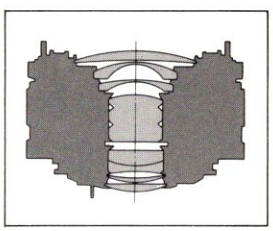


● Meter Coupling Lever
This lever transmits selected apertures to the exposure meter.

● Lens Release Button
Bayonet type interchangeable lenses are quickly removed by pressing this button and turning 70°counterclockwise. During mounting(after aligning red dots), the button should not be pressed.

● Infrared Index Mark
A reference line to adjust camera-to-subject distance when using infrared films. The normally determined distance reading should be aligned with this mark.

● Automatic Diaphragm Lever
This lever closes down the lens diaphragm to the preselected aperture at the moment the shutter is released.



Depth of Field Table

Figures with ※ are engraved on the distance scale

Distance scale		Camera-to-subject distance (meters) Circle of least confusion 1/30mm.										
		※0.25	0.3	0.4	※0.5	0.7	※1	2	※3	5	※∞
F-stop	2.8	0.25~0.25	0.29~0.31	0.39~0.41	0.48~0.52	0.65~0.76	0.89~1.14	1.57~2.79	2.10~5.39	2.88~21.0	6.47~∞
	4	0.25~0.25	0.29~0.31	0.38~0.42	0.47~0.54	0.63~0.79	0.85~1.22	1.44~3.34	1.87~8.01	2.46~∞	4.64~∞
	5.6	0.24~0.26	0.29~0.31	0.38~0.43	0.46~0.55	0.61~0.83	0.81~1.33	1.30~4.61	1.64~25.7	2.06~∞	3.34~∞
	8	0.24~0.26	0.29~0.32	0.37~0.44	0.44~0.58	0.58~0.90	0.75~1.57	1.14~11.1	1.38~∞	1.66~∞	2.37~∞
	11	0.24~0.26	0.28~0.32	0.36~0.46	0.43~0.62	0.55~1.02	0.69~2.02	0.99~∞	1.16~∞	1.34~∞	1.75~∞
	16	0.24~0.27	0.27~0.34	0.34~0.50	0.40~0.70	0.50~1.32	0.61~4.05	0.82~∞	0.92~∞	1.02~∞	1.2~∞

Depth of Field Table

Figures with ※ are engraved on the distance scale

Distance scale		Camera-to-subject distance (feet) Circle of least confusion 1/760in.									
		※1	※1.25	1.5	※2	3	4	※6	10	15	※∞
F-stop	2.8	0.98~1.02	1.21~1.29	1.44~1.56	1.88~2.14	2.71~3.38	3.46~4.76	4.80~8.07	6.96~18.2	8.97~48.9	21.2~∞
	4	0.98~1.03	1.20~1.30	1.42~1.59	1.84~2.20	2.60~3.56	3.29~5.17	4.45~9.41	6.21~27.5	7.74~714	15.2~∞
	5.6	0.97~1.04	1.18~1.33	1.39~1.63	1.78~2.29	2.48~3.86	3.07~5.87	4.04~12.3	5.41~98.6	6.51~∞	11.0~∞
	8	0.95~1.06	1.16~1.37	1.35~1.70	1.71~2.45	2.31~4.43	2.80~7.43	3.57~23.1	4.55~∞	5.28~∞	7.77~∞
	11	0.94~1.08	1.13~1.42	1.30~1.79	1.62~2.70	2.14~5.46	2.54~11.3	3.12~∞	3.82~∞	4.30~∞	5.74~∞
	16	0.91~1.12	1.08~1.52	1.24~1.98	1.50~3.25	1.90~9.14	2.20~106	2.59~∞	3.03~∞	3.31~∞	4.05~∞

OLYMPUS

ZUIKO MC 28mm F2



Characteristics

- It has unusually fast speed of F2 with 28 mm focal length.
- The 28mm is becoming a favorite among most photographers as their principal wide-angle.
- So compact that it accepts a 49mm filter.
- Multi-coated elements reduce ghosts.
- Despite the fast speed, the floating system contributes to superior image quality at close focusing distances.

Applications

- Snapshots of night scenes taking advantage of F2 maximum aperture
- Architecture and interiors
- Moderate exaggeration of perspective

Notes · Related Units

- Compatible focusing screens: 1-1～1-5, 1-10, 1-13 (p. 201)

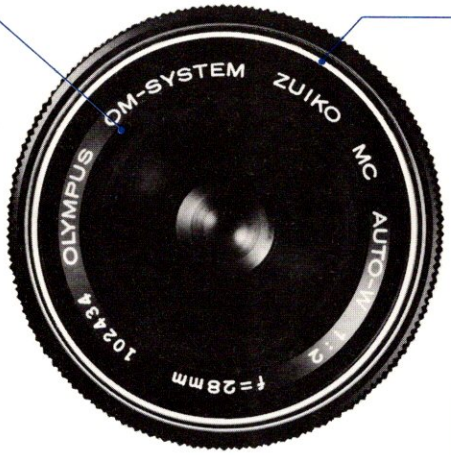
Specifications

Angle of view	Optical construction Element-Group	Diaphragm	F/stop range	Min. focus (ft.)	Min. photographic range (in.)	Focusing	Weight (oz.)	Length (in.)	Max. diameter (in.)	Hood	Filter
75°	9-8	Auto.	2-16	0.3m (1.0)	27×18cm (10.6×7.1)	Straight helicoid	250g. (8.8)	43mm (1.7)	60mm (2.4)	49mm Screw-in	49mm Screw-in

OM ZUIKO MC 28mm F2

● Zuiko Lens
8 groups 9 elements, multi-coated
Angle of view: 75°

● Front Mount Ring
Filter size: 49mmϕ
Hood: 49mmϕ screw-in
(sold with lens as a set)(p.187)



Actual size

● Aperture Ring
Intermediate values between numbers on the dial can be used for fine exposure adjustments. All OM System interchangeable lenses feature automatic diaphragms, except shift and a few macro lenses.

● Depth of Field Preview Button
Pressing this button closes down the lens diaphragm to the preselected aperture for viewing depth of field.

● Focusing Ring
Focusing is fast and precise aided by the sleeve of textured, non-slip rubber fitted to the ring.

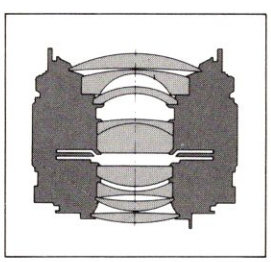


● Meter Coupling Lever
This lever transmits selected apertures to the exposure meter.

● Lens Release Button
Bayonet type interchangeable lenses are quickly removed by pressing this button and turning 70°counterclockwise. During mounting(after aligning red dots), the button should not be pressed.

● Automatic Diaphragm Lever
This lever closes down the lens diaphragm to the preselected aperture at the moment the shutter is released.

● Infrared Index Mark
A reference line to adjust camera-to-subject distance when using infrared films. The normally determined distance reading should be aligned with this mark.



Depth of Field Table

Figures with ※ are engraved on the distance scale

F-stop \ Distance scale	Camera-to-subject distance (meters) Circle of least confusion 1/30mm.									
	0.25	※0.3	0.4	※0.5	※0.7	※1	2	※3	5	∞
2	0.25~0.25	0.30~0.30	0.39~0.41	0.49~0.51	0.67~0.73	0.94~1.07	1.75~2.34	2.46~3.86	3.64~8.04	12.97~∞
2.8	0.25~0.25	0.29~0.31	0.39~0.41	0.48~0.52	0.66~0.75	0.92~1.10	1.67~2.49	2.31~4.31	13.31~0.35	9.51~∞
4	0.25~0.25	0.29~0.31	0.38~0.42	0.47~0.53	0.66~0.77	0.88~1.15	1.56~2.79	2.10~5.32	12.89~9.25	6.67~∞
5.6	0.24~0.26	0.29~0.31	0.38~0.42	0.46~0.54	0.63~0.80	0.85~1.23	1.44~3.33	1.88~7.74	2.48~∞	4.78~∞
8	0.24~0.26	0.29~0.32	0.37~0.44	0.45~0.56	0.60~0.85	0.79~1.36	1.29~4.68	1.62~24.82	2.04~∞	3.36~∞
11	0.24~0.26	0.28~0.32	0.36~0.45	0.43~0.59	0.57~0.92	0.74~1.58	1.14~9.61	1.39~∞	1.68~∞	2.46~∞
16	0.23~0.27	0.27~0.34	0.35~0.48	0.41~0.65	0.52~1.08	0.66~2.18	0.96~∞	1.12~∞	1.30~∞	1.71~∞

Depth of Field Table

Figures with ※ are engraved on the distance scale

F-stop \ Distance scale	Camera-to-subject distance (feet) Circle of least confusion 1/760in.									
	1	※1.25	1.5	※2	3	※4	※6	10	15	※∞
2	0.99~1.01	1.23~1.27	1.46~1.54	1.93~2.08	2.83~3.19	3.69~4.37	5.31~6.91	8.17~12.93	11.18~22.89	42.42~∞
2.8	0.98~1.02	1.22~1.28	1.45~1.55	1.90~2.11	2.77~3.27	3.59~4.52	5.09~7.32	7.66~14.49	10.23~28.38	31.14~∞
4	0.97~1.03	1.20~1.30	1.43~1.58	1.87~2.16	2.69~3.41	3.44~4.79	4.78~8.09	6.96~17.97	9.01~46.18	21.87~∞
5.6	0.96~1.04	1.19~1.32	1.40~1.61	1.82~2.23	2.58~3.60	3.26~5.21	4.43~9.41	6.21~26.51	7.78~289.83	15.68~∞
8	0.95~1.06	1.16~1.35	1.37~1.67	1.75~2.34	2.43~3.95	3.02~6.00	3.99~12.50	5.36~94.18	6.47~∞	11.03~∞
11	0.93~1.08	1.13~1.40	1.32~1.74	1.67~2.51	2.28~4.49	2.77~7.42	3.35~21.38	4.58~∞	5.35~∞	8.07~∞
16	0.91~1.12	1.09~1.48	1.26~1.88	1.56~2.85	2.06~5.85	2.44~12.39	3.01~∞	3.70~∞	4.17~∞	5.61~∞

OLYMPUS

ZUIKO 28mm F3.5



Characteristics

- The 28mm lens is becoming a favorite among most photographers as their principal wide-angle.
- It is easy to use and the smallest, lightest lens available in this class.
- Ample marginal light transmission ensures even illumination over the entire picture area making the lens ideal for color photography.

Applications

- Architecture and interiors
- Snapshots
- Moderate exaggeration of perspective

Notes · Related Units

- Compatible focusing screens: 1-1～1-4, 1-10, 1-13 (p. 201)

Specifications

Angle of view	Optical construction Element-Group	Diaphragm	F/stop range	Min. focus (ft.)	Min. photographic range (in.)	Focusing	Weight (oz.)	Length (in.)	Max. diameter (in.)	Hood	Filter
75°	7-7	Auto.	3.5-16	0.3m (1.0)	27×18cm (10.6×7.1)	Straight helicoid	180g. (6.3)	31mm (1.2)	59mm (2.3)	49mm Screw-in	49mm Screw-in

OM SYSTEM ZUIKO 28mm F3.5

● Zuiko Lens
7 groups 7 elements
Angle of view: 75°

● Aperture Ring
Intermediate values between numbers on the dial can be used for fine exposure adjustments. All OM System interchangeable lenses feature automatic diaphragms, except shift and a few macro lenses.

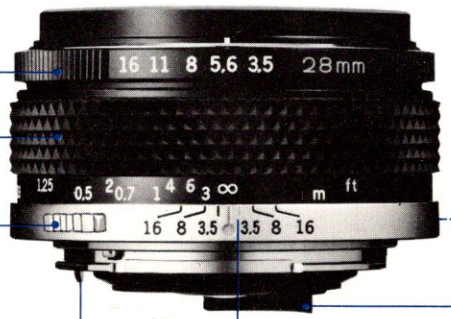
● Focusing Ring
Focusing is fast and precise aided by the sleeve of textured, non-slip rubber fitted to the ring.

● Lens Release Button
Bayonet type interchangeable lenses are quickly removed by pressing this button and turning 70°counterclockwise. During mounting(after aligning red dots), the button should not be pressed.

● Automatic Diaphragm Lever
This lever closes down the lens diaphragm to the preselected aperture at the moment the shutter is released.



Actual size

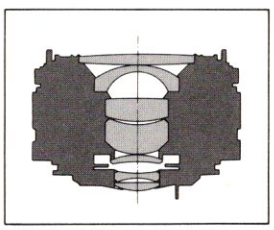


● Front Mount Ring
Filter size: 49mmϕ
Hood: 49mmϕ screw-in
(sold with lens as a set) (p.187)

● Depth of Field Preview Button
Pressing this button closes down the lens diaphragm to the preselected aperture for viewing depth of field.

● Meter Coupling Lever
This lever transmits selected apertures to the exposure meter.

● Infrared Index Mark
A reference line to adjust camera-to-subject distance when using infrared films. The normally determined distance reading should be aligned with this mark.



Depth of Field Table

Figures with ※ are engraved on the distance scale

Distance scale		Camera-to-subject distance (meters) Circle of least confusion 1/30mm.								
		※0.3	0.4	※0.5	※0.7	※1	2	※3	5	※∞
F-stop	3.5	0.29~0.31	0.38~0.42	0.47~0.53	0.65~0.77	0.89~1.15	1.57~2.77	2.11~5.23	2.92~18.1	6.84~∞
	4	0.29~0.31	0.38~0.42	0.47~0.53	0.64~0.78	0.87~1.18	1.52~2.94	2.03~5.86	2.76~28.9	5.99~∞
	5.6	0.29~0.31	0.38~0.43	0.46~0.55	0.62~0.81	0.83~1.27	1.39~3.62	1.80~9.54	2.34~∞	4.29~∞
	8	0.28~0.32	0.37~0.44	0.44~0.57	0.59~0.87	0.77~1.43	1.23~5.59	1.54~186	1.91~∞	3.02~∞
	11	0.28~0.33	0.35~0.46	0.43~0.61	0.55~0.96	0.71~1.71	1.08~17.9	1.30~∞	1.56~∞	2.21~∞
	16	0.27~0.34	0.34~0.50	0.40~0.68	0.51~1.17	0.63~2.57	0.90~∞	1.04~∞	1.20~∞	1.53~∞

Depth of Field Table

Figures with ※ are engraved on the distance scale

Distance scale		Camera-to-subject distance (feet) Circle of least confusion 1/760in.								
		※1.25	1.5	※2	3	※4	※6	10	15	※∞
F-stop	3.5	1.20~1.30	1.43~1.58	1.87~2.16	2.69~3.40	3.45~4.78	4.80~8.03	7.00~17.7	9.09~44.1	22.4~∞
	4	1.20~1.31	1.42~1.59	1.85~2.18	2.65~3.47	3.38~4.92	4.67~8.45	6.72~19.9	8.61~61.1	19.6~∞
	5.6	1.18~1.33	1.39~1.63	1.79~2.26	2.53~3.70	3.18~5.42	4.29~10.1	5.95~33.0	7.36~∞	14.1~∞
	8	1.15~1.37	1.35~1.70	1.72~2.40	2.37~4.12	2.93~6.41	3.83~14.4	5.08~∞	6.06~∞	9.90~∞
	11	1.12~1.43	1.30~1.79	1.64~2.60	2.21~4.80	2.67~8.32	3.38~31.2	4.30~∞	4.97~∞	7.24~∞
	16	1.07~1.53	1.23~1.96	1.51~3.03	1.97~6.69	2.33~16.9	2.84~∞	3.44~∞	3.84~∞	5.03~∞

OLYMPUS

ZUIKO MC 35mm F2



Characteristics

- A 35mm focal-length lens with a fast speed of F2.
- The 35mm is an all-purpose and extremely convenient lens for everyday use.
- It is one of the smallest lenses to be found in this class.
- Multi-coated elements reduce ghosts and flare.
- It exhibits superb definition and image quality over the entire picture area.

Applications

- Snapshots of night scenes taking advantage of the fast speed
- Interiors
- Vacation trips and memorable occasions

Notes · Related Units

- Compatible focusing screens: 1-1～1-5, 1-10, 1-13 (p.201)

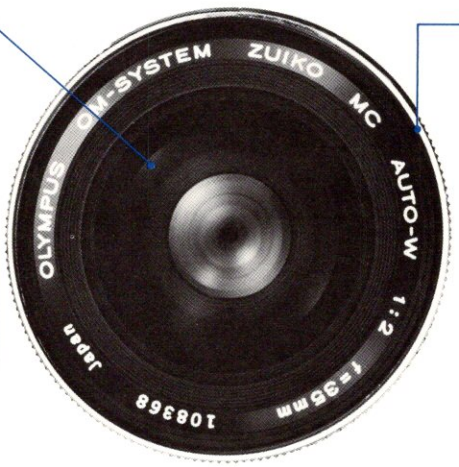
Specifications

Angle of view	Optical construction Element-Group	Diaphragm	F/stop range	Min. focus (ft.)	Min. photographic range (in.)	Focusing	Weight (oz.)	Length (in.)	Max. diameter (in.)	Hood	Filter
63°	8-7	Auto.	2-16	0.3m (1.0)	21×14cm (8.3×5.5)	Straight helicoid	240g. (8.5)	42mm (1.7)	60mm (2.4)	55mm Screw-in	55mm Screw-in

OM ZUIKO MC 35mm F2

● Zuiko Lens
7 groups 8 elements, multi-coated
Angle of view: 63°

● Front Mount Ring
Filter size: 55mmϕ
Hood: 55mmϕ screw-in (sold with lens as a set) (p.187)



Actual size

● Aperture Ring
Intermediate values between numbers on the dial can be used for fine exposure adjustments. All OM System interchangeable lenses feature automatic diaphragms, except shift and a few macro lenses.

● Depth of Field Preview Button
Pressing this button closes down the lens diaphragm to the preselected aperture for viewing depth of field.

● Focusing Ring
Focusing is fast and precise aided by the sleeve of textured, non-slip rubber fitted to the ring

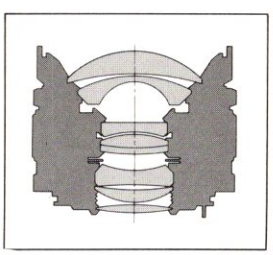


● Meter Coupling Lever
This lever transmits selected apertures to the exposure meter.

● Lens Release Button
Bayonet type interchangeable lenses are quickly removed by pressing this button and turning 70°counterclockwise. During mounting(after aligning red dots), the button should not be pressed.

● Infrared Index Mark
A reference line to adjust camera-to-subject distance when using infrared films. The normally determined distance reading should be aligned with this mark.

● Automatic Diaphragm Lever
This lever closes down the lens diaphragm to the preselected aperture at the moment the shutter is released.



Depth of Field Table

Figures with ※ are engraved on the distance scale

F-stop \ Distance scale	Camera-to-subject distance (meters) Circle of least confusion 1/30mm.										
	※0.3	0.4	※0.5	※0.7	※1	※1.5	2	※3	5	10	※∞
2	0.30~0.30	0.39~0.41	0.49~0.51	0.68~0.72	0.96~1.05	1.40~1.62	1.82~2.22	2.60~3.55	3.96~6.78	6.54~21.35	18.63~∞
2.8	0.30~0.30	0.39~0.41	0.49~0.51	0.67~0.73	0.94~1.07	1.36~1.67	1.75~2.33	2.47~3.83	3.66~7.91	5.75~39.21	13.33~∞
4	0.29~0.31	0.39~0.41	0.48~0.52	0.66~0.75	0.91~1.10	1.31~1.76	1.67~2.51	2.29~4.35	3.29~10.55	4.87~∞	9.35~∞
5.6	0.29~0.31	0.38~0.42	0.47~0.53	0.64~0.77	0.88~1.15	1.24~1.89	1.56~2.79	2.10~5.31	2.89~19.08	4.04~∞	6.69~∞
8	0.29~0.31	0.38~0.43	0.46~0.54	0.62~0.80	0.84~1.23	1.16~2.14	1.43~3.37	1.86~7.97	2.45~∞	3.22~∞	4.70~∞
11	0.29~0.32	0.37~0.44	0.45~0.56	0.60~0.85	0.80~1.35	1.07~2.55	1.29~4.56	1.63~21.50	2.07~∞	2.58~∞	3.43~∞
16	0.28~0.32	0.36~0.45	0.43~0.60	0.56~0.94	0.73~1.62	0.95~3.77	1.12~11.19	1.36~∞	1.64~∞	1.94~∞	2.37~∞

Depth of Field Table

Figures with ※ are engraved on the distance scale

F-stop \ Distance scale	Camera-to-subject distance (feet) Circle of least confusion 1/760in.									
	※1.25	※1.5	※2	※3	※4	※6	8	12	30	※∞
2	1.23~1.27	1.47~1.53	1.95~2.05	2.88~3.13	3.78~4.25	5.50~6.61	7.12~9.14	10.09~14.82	20.23~58.31	60.87~∞
2.8	1.23~1.27	1.46~1.54	1.93~2.08	2.83~3.19	3.70~4.36	5.32~6.88	6.82~9.69	9.49~16.36	17.90~93.85	43.60~∞
4	1.22~1.29	1.45~1.56	1.90~2.11	2.77~3.28	3.58~4.54	5.08~7.35	6.41~10.66	8.71~19.39	15.28~∞	30.60~∞
5.6	1.20~1.30	1.43~1.58	1.87~2.16	2.68~3.41	3.44~4.79	4.78~8.09	5.95~12.31	7.86~25.79	12.78~∞	21.92~∞
8	1.19~1.32	1.40~1.62	1.81~2.23	2.57~3.62	3.24~5.24	4.40~9.52	5.36~16.06	6.85~51.32	10.28~∞	15.40~∞
11	1.16~1.35	1.37~1.67	1.75~2.34	2.44~3.93	3.03~5.95	4.01~12.24	4.78~26.01	5.91~∞	8.27~∞	11.24~∞
16	1.13~1.41	1.32~1.75	1.66~2.54	2.25~4.58	2.74~7.68	3.49~23.64	4.05~∞	4.82~∞	6.25~∞	7.78~∞

OLYMPUS

ZUIKO 35mm F2.8



Characteristics

- Most popular among wide angle lenses, the 35mm is so versatile that it is often used as a standard lens.
- It reduces comatic flare inherent in wide angle lenses and gives razor-sharp definition.
- It is compact and pleasant to operate.
- It has a deluxe 7-element construction.

Applications

- Snapshots
- Interiors
- Vacation trips and memorable occasions

Notes · Related Units

- Lens hood is sold separately.
- Compatible focusing screens: 1-1～1-5, 1-10, 1-13 (p. 201)

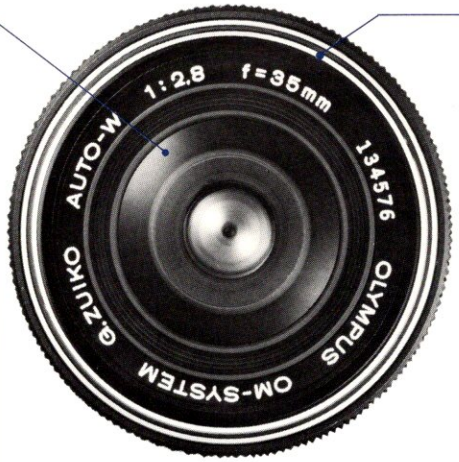
Specifications

Angle of view	Optical construction Element-Group	Diaphragm	F/stop range	Min. focus (ft.)	Min. photographic range (in.)	Focusing	Weight (oz.)	Length (in.)	Max. diameter (in.)	Hood	Filter
63°	7-6	Auto.	2.8-16	0.3m (1.0)	21×14cm (8.3×5.5)	Straight helicoid	180g. (6.3)	33mm (1.3)	59mm (2.3)	51mm Slide-on	49mm Screw-in

OM SYSTEM ZUIKO 35mm F2.8

● **Zuiko Lens**
6 groups 7 elements
Angle of view: 63°

● **Front Mount Ring**
Filter size: 49mm ϕ
Hood: 51mm ϕ slide-on (sold with lens as a set) (p.187)



● **Aperture Ring**
Intermediate values between numbers on the dial can be used for fine exposure adjustments. All OM System interchangeable lenses feature automatic diaphragms, except shift and a few macro lenses.

● **Depth of Field Preview Button**
Pressing this button closes down the lens diaphragm to the preselected aperture for viewing depth of field.

● **Focusing Ring**
Focusing is fast and precise aided by the sleeve of textured, non-slip rubber fitted to the ring.

Actual size

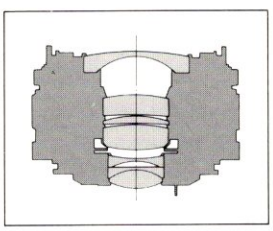


● **Meter Coupling Lever**
This lever transmits selected apertures to the exposure meter.

● **Lens Release Button**
Bayonet type interchangeable lenses are quickly removed by pressing this button and turning 70°counterclockwise. During mounting(after aligning red dots), the button should not be pressed.

● **Automatic Diaphragm Lever**
This lever closes down the lens diaphragm to the preselected aperture at the moment the shutter is released.

● **Infrared Index Mark**
A reference line to adjust camera-to-subject distance when using infrared films. The normally determined distance reading should be aligned with this mark.



Depth of Field Table
Figures with ※ are engraved on the distance scale

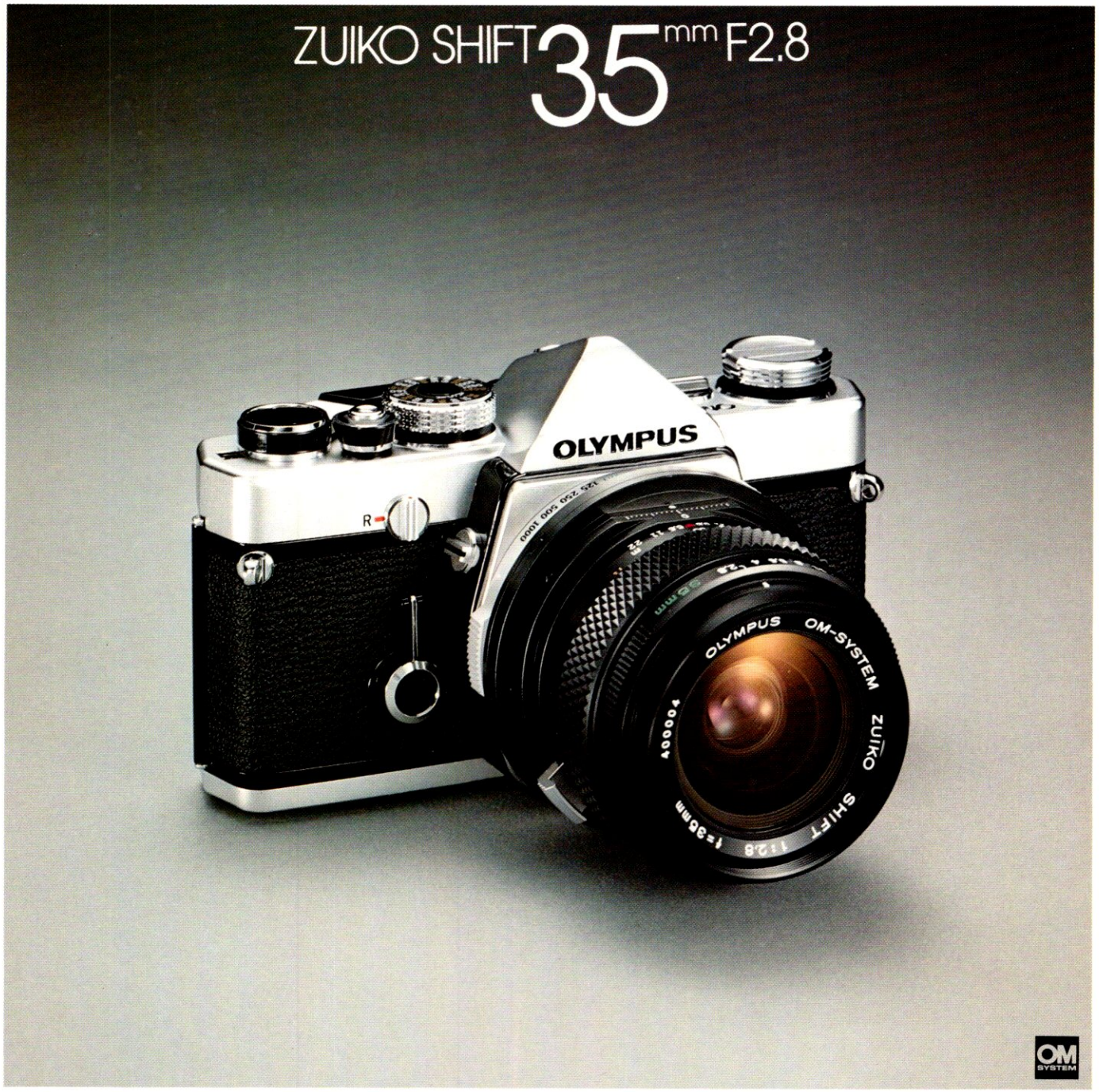
Distance scale		Camera-to-subject distance (meters) Circle of least confusion 1/30mm.										
		※0.3	0.4	※0.5	※0.7	※1	※1.5	2	※3	5	10	※∞
F-stop	2.8	0.30~0.30	0.39~0.41	0.49~0.51	0.67~0.73	0.94~1.07	1.36~1.67	1.76~2.32	2.47~3.82	3.67~17.87	5.77~∞	13.41~∞
	4	0.29~0.31	0.39~0.41	0.48~0.52	0.66~0.74	0.92~1.10	1.31~1.76	1.67~2.50	2.30~4.33	3.30~10.46	4.89~∞	9.41~∞
	5.6	0.29~0.31	0.39~0.42	0.47~0.53	0.65~0.76	0.89~1.15	1.25~1.89	1.57~2.78	2.11~5.27	2.91~8.68	4.06~∞	6.74~∞
	8	0.29~0.31	0.38~0.42	0.46~0.54	0.63~0.80	0.85~1.23	1.17~2.12	1.44~3.34	1.87~7.85	2.47~∞	3.24~∞	4.73~∞
	11	0.29~0.32	0.37~0.43	0.45~0.56	0.60~0.84	0.80~1.35	1.08~2.52	1.30~4.49	1.64~20.40	2.08~∞	2.60~∞	3.46~∞
	16	0.28~0.32	0.36~0.45	0.43~0.59	0.57~0.93	0.74~1.60	0.96~3.70	1.13~10.67	1.37~∞	1.65~∞	1.95~∞	2.39~∞

Depth of Field Table
Figures with ※ are engraved on the distance scale

Distance scale		Camera-to-subject distance (feet) Circle of least confusion 1/760in.									
		※1.25	※1.5	※2	※3	※4	※6	8	12	30	※∞
F-stop	2.8	1.23~1.27	1.47~1.54	1.93~2.07	2.84~3.19	3.70~4.35	5.33~6.87	6.83~9.67	9.51~16.30	17.96~92.49	43.88~∞
	4	1.22~1.28	1.45~1.55	1.90~2.11	2.77~3.27	3.59~4.52	5.09~7.33	6.43~10.62	8.74~19.28	15.34~∞	30.81~∞
	5.6	1.21~1.30	1.43~1.58	1.87~2.15	2.69~3.40	3.45~4.78	4.80~8.05	5.97~12.24	7.89~25.53	12.84~∞	22.07~∞
	8	1.19~1.32	1.41~1.61	1.88~2.23	2.58~3.60	3.26~5.22	4.42~9.45	5.39~15.89	6.88~49.94	10.34~∞	15.51~∞
	11	1.17~1.35	1.37~1.66	1.76~2.33	2.45~3.90	3.05~5.90	4.03~12.09	4.81~25.43	5.95~∞	8.32~∞	11.33~∞
	16	1.13~1.40	1.32~1.74	1.67~2.52	2.27~4.54	2.76~7.57	3.52~22.88	4.08~∞	4.86~∞	6.3~∞	7.85~∞

OLYMPUS

ZUIKO SHIFT 35mm F2.8



Characteristics

- This unique lens is capable of correcting perspective distortion by allowing the photographer to shift the lens position parallel to the film plane.
- Although 35mm in focal length (normally: 63° angle of view), the lens is essentially equivalent to a 24mm lens in angle of coverage (actual 83°).

Applications

- Critical architectural, studio and composite panoramic photography.

Notes • Related Units

- To take perspective-corrected pictures: 1) set the camera so that the film plane is aligned parallel to the subject, 2) stop down the lens and determine exposure,* 3) compose by shifting the lens, and release the shutter.
  * Determine the exposure after stopping down the lens, but before using the shift.
- Compatible focusing screens: 1-1～1-4, 1-10 (checker-matte type, specially designed for shift lens), 1-13.

Specifications

Angle of view	Optical construction Element-Group	Diaphragm	F/stop range	Min. focus (ft.)	Min. photographic range (in.)	Focusing	Weight (oz.)	Length (in.)	Max. diameter (in.)	Hood	Filter
63° (max. 83°)	8-7	Manual	2.8-22	0.3m (1.0)	21×14cm (8.3×5.5)	Straight helicoid	310g (10.9)	58mm (2.3)	68mm (2.7)	49mm Screw-in	49mm Screw-in

OLYMPUS

OM SYSTEM ZUIKO SHIFT 35mm F2.8

● Zuiko Lens
7 groups 8 elements
Angle of view: 63° (83° max.)

● Aperture Ring
Manual, preset type. The lens must be set manually to required taking aperture for correct light reading and exposure (stopped-down metering).

● Shift Scale (lateral)
10.4mm max. in each direction.

● Lens Release Button
Bayonet type interchangeable lenses are quickly removed by pressing this button and turning 70° counterclockwise. During mounting (after aligning red dots), the button should not be pressed.

● Shift Scale (vertical)
12mm rising and 13mm falling.



● Front Mount Ring
Filter size: 49mm ϕ
Hood: 49mm ϕ screw-in(optional)

● Focusing Ring
Focusing is fast and precise aided by the sleeve of textured, non-slip rubber fitted to the ring.

● Infrared Index Mark
A reference dot to adjust camera-to-subject distance when using infrared films. The normally determined distance reading should be aligned with this mark.

● Depth of Field Preview Button
This button locks in place when pressed, closing down the lens to preselected F stop. (To reopen, return the button to original position by pressing down and releasing.)



Actual size

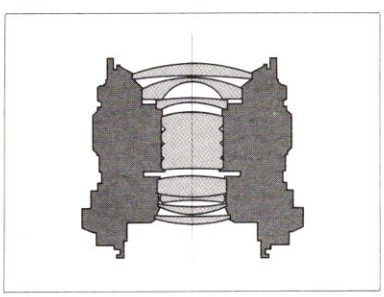


Fig.1 Line convergence occurring when a normal lens is pointed upward

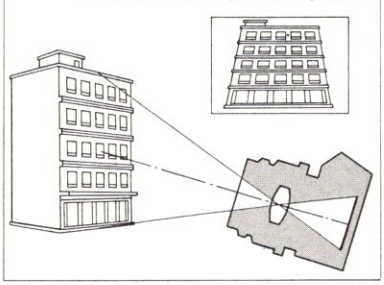
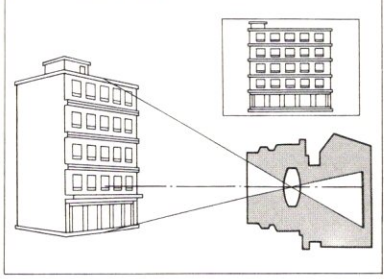


Fig.2 Taken using "rise" movement of shift lens



Depth of Field Table

Figures with ※ are engraved on the distance scale

Distance scale		Camera-to-subject distance (meters) Circle of least confusion 1/30mm.							
		※0.3	※0.5	※0.7	※1	※1.5	※3	5	※∞
F-stop	2.8	0.30~0.30	0.49~0.51	0.68~0.73	0.95~1.06	1.38~1.64	2.54~3.68	3.81~7.30	15.4~∞
	4	0.30~0.30	0.49~0.52	0.67~0.74	0.93~1.08	1.34~1.71	2.39~4.04	3.48~8.93	11.1~∞
	5.6	0.29~0.31	0.48~0.52	0.66~0.75	0.91~1.12	1.28~1.81	2.21~4.70	3.11~13.1	7.95~∞
	8	0.29~0.31	0.47~0.53	0.64~0.78	0.87~1.18	1.21~1.98	1.99~6.24	2.68~43.7	5.58~∞
	11	0.29~0.31	0.46~0.55	0.62~0.81	0.83~1.27	1.13~2.26	1.77~10.6	2.29~∞	4.08~∞
	16	0.29~0.32	0.45~0.57	0.59~0.87	0.77~1.45	1.02~2.96	1.50~∞	1.85~∞	2.83~∞
	22	0.28~0.32	0.43~0.60	0.56~0.96	0.71~1.75	0.91~4.76	1.27~∞	1.50~∞	2.07~∞

Depth of Field Table

Figures with ※ are engraved on the distance scale

Distance scale		Camera-to-subject distance (feet) Circle of least confusion 1/760in.								
		※1.25	※1.5	※2	※3	※4	※6	10	20	※∞
F-stop	2.8	1.23~1.27	1.47~1.53	1.94~2.06	2.86~3.15	3.75~4.29	5.42~6.73	8.43~12.3	14.5~32.6	50.5~∞
	4	1.23~1.28	1.46~1.54	1.92~2.08	2.81~3.22	3.65~4.42	5.22~7.07	7.94~13.5	13.0~43.5	36.3~∞
	5.6	1.22~1.29	1.45~1.56	1.89~2.12	2.74~3.32	3.53~4.62	4.96~7.62	7.34~15.8	11.5~82.6	26.0~∞
	8	1.20~1.30	1.43~1.58	1.85~2.18	2.65~3.48	3.37~4.95	4.63~8.62	6.60~21.2	9.7~∞	18.3~∞
	11	1.19~1.32	1.40~1.62	1.80~2.25	2.54~3.70	3.18~5.45	4.27~10.4	5.86~36.9	8.2~∞	13.4~∞
	16	1.16~1.36	1.36~1.68	1.73~2.39	2.37~4.15	2.92~6.55	3.78~15.6	4.96~∞	6.5~∞	9.27~∞
	22	1.13~1.41	1.31~1.77	1.65~2.59	2.21~4.87	2.65~8.71	3.33~41.2	4.19~∞	5.2~∞	6.80~∞

OLYMPUS

ZUIKO 55mm F1.2



Characteristics

- It is a standard focal-length lens with the fastest maximum aperture of F1.2 currently available in 35mm SLR systems.
- Despite the fast lens speed, high resolving power shows no edge fall-off in the picture.
- It produces extremely pleasing out-of-focus effects at full aperture.
- It permits close-ups up to 45cm subject distance.

Applications

- Night photography taking advantage of F1.2 maximum aperture
- Interiors
- General photography

Notes · Related Units

- Lens hood is sold separately.
- Accurate focusing is required at full lens opening since the depth of field is extremely shallow.
- Compatible focusing screens: 1-1～1-6, 1-10, 1-13 (p. 201)

Specifications

Angle of view	Optical construction Element-Group	Diaphragm	F/stop range	Min. focus (ft.)	Min. photographic range (in.)	Focusing	Weight (oz.)	Length (in.)	Max. diameter (in.)	Hood	Filter
43°	7-6	Auto.	1.2-16	0.45m (1.5)	23×15cm (9.1×5.9)	Straight helicoid	310g. (10.9)	47mm (1.9)	65mm (2.6)	57mm Slide-on	55mm Screw-in

OM ZUIKO 55mm F1.2

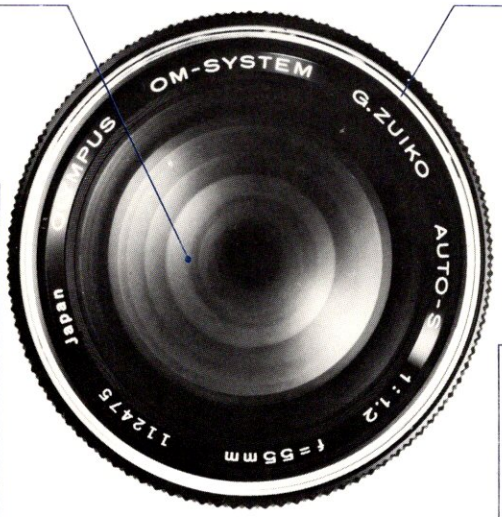
● **Zuiko Lens**
6 groups 7 elements
Angle of view: 43°

● **Aperture Ring**
Intermediate values between numbers on the dial can be used for fine exposure adjustments. All OM System interchangeable lenses feature automatic diaphragms, except shift and a few macro lenses.

● **Focusing Ring**
Focusing is fast and precise aided by the sleeve of textured, non-slip rubber fitted to the ring.

● **Lens Release Button**
Bayonet type interchangeable lenses are quickly removed by pressing this button and turning 70°counterclockwise. During mounting(after aligning red dots), the button should not be pressed.

● **Automatic Diaphragm Lever**
This lever closes down the lens diaphragm to the preselected aperture at the moment the shutter is released.



Actual size

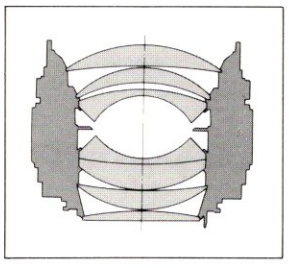


● **Front Mount Ring**
Filter size: 55mmϕ
Hood: 57mmϕ slide-on (optional)

● **Depth of Field Preview Button**
Pressing this button closes down the lens diaphragm to the preselected aperture for viewing depth of field.

● **Meter Coupling Lever**
This lever transmits selected apertures to the exposure meter.

● **Infrared Index Mark**
A reference line to adjust camera-to-subject distance when using infrared films. The normally determined distance reading should be aligned with this mark.



Depth of Field Table

Figures with ※ are engraved on the distance scale

Distance scale		Camera-to-subject distance (meters) Circle of least confusion 1/30mm.									
		※0.45	※0.5	※0.7	※1	※1.5	※2	※3	※5	※10	※∞
F-stop	1.2	0.45~0.45	0.50~0.50	0.69~0.71	0.99~1.01	1.47~1.53	1.95~2.05	2.89~3.12	4.70~5.34	8.86~11.5	76.0~∞
	1.4	0.45~0.45	0.50~0.50	0.69~0.71	0.99~1.01	1.47~1.53	1.95~2.06	2.88~3.13	4.67~5.38	8.74~11.7	67.9~∞
	2	0.45~0.45	0.50~0.50	0.69~0.71	0.98~1.02	1.46~1.54	1.92~2.08	2.83~3.19	4.54~5.57	8.29~12.6	47.7~∞
	2.8	0.45~0.45	0.49~0.51	0.69~0.71	0.98~1.03	1.44~1.56	1.90~2.12	2.77~3.28	4.39~5.83	7.76~14.1	34.1~∞
	4	0.44~0.46	0.49~0.51	0.68~0.72	0.97~1.04	1.42~1.59	1.86~2.17	2.68~3.41	4.16~6.28	7.08~17.0	23.9~∞
	5.6	0.44~0.46	0.49~0.51	0.68~0.72	0.95~1.05	1.39~1.63	1.80~2.25	2.57~3.61	3.89~7.00	6.34~23.7	17.1~∞
	8	0.44~0.46	0.49~0.52	0.67~0.73	0.93~1.08	1.35~1.69	1.73~2.37	2.42~3.95	3.56~8.45	5.49~58.0	12.0~∞
	11	0.43~0.47	0.48~0.52	0.66~0.75	0.91~1.11	1.30~1.78	1.65~2.55	2.26~4.48	3.21~11.4	4.70~∞	8.73~∞
	16	0.43~0.47	0.47~0.53	0.64~0.77	0.87~1.17	1.22~1.95	1.53~2.92	2.03~5.80	2.7~27.6	3.79~∞	6.02~∞

Depth of Field Table

Figures with ※ are engraved on the distance scale

Distance scale		Camera-to-subject distance (feet) Circle of least confusion 1/760in.							
		※2	※3	※4	※6	※8	※12	30	※∞
F-stop	1.2	1.99~2.01	2.97~3.03	3.94~4.06	5.87~6.14	7.77~8.25	11.5~22.6	26.8~34.0	245~
	1.4	1.99~2.01	2.97~3.03	3.94~4.06	5.85~6.15	7.74~8.28	11.4~22.7	26.5~34.6	220~
	2	1.98~2.02	2.95~3.05	3.91~4.09	5.79~6.22	7.63~8.41	11.2~23.0	25.3~37.0	155~
	2.8	1.97~2.03	2.93~3.07	3.88~4.13	5.72~6.31	7.50~8.58	10.9~23.4	23.8~40.8	111~
	4	1.96~2.04	2.91~3.10	3.83~4.19	5.60~6.46	7.30~8.85	10.5~24.1	21.8~48.2	78.0~
	5.6	1.95~2.06	2.87~3.14	3.76~4.27	5.46~6.66	7.05~9.25	19.9~25.1	19.7~63.6	55.9~
	8	1.93~2.08	2.82~3.21	3.67~4.40	5.26~6.99	6.71~9.92	19.28~7.0	17.1~123	39.2~
	11	1.90~2.11	2.76~3.30	3.56~4.57	5.03~7.46	6.33~11.0	28.55~0.2	14.8~	28.6~
	16	1.86~2.17	2.66~3.45	3.39~4.89	4.68~8.39	5.79~13.1	27.57~9.5	12.0~	19.7~

OLYMPUS

ZUIKO 50mm F1.4



Characteristics

- The second fastest lens in the OM System.
- It is designed to minimize the total length.
- The sophisticated 7-element design produces high resolution and excellent contrast.
- Sharp images are yielded even at maximum aperture.
- Close-up up to 45cm is possible.

Applications

- Night photography
- Interior photography
- General photography

Notes · Related Units

- Lens hood is sold separately.
- Compatible focusing screens: 1-1～1-6, 1-10, 1-13 (p.201)

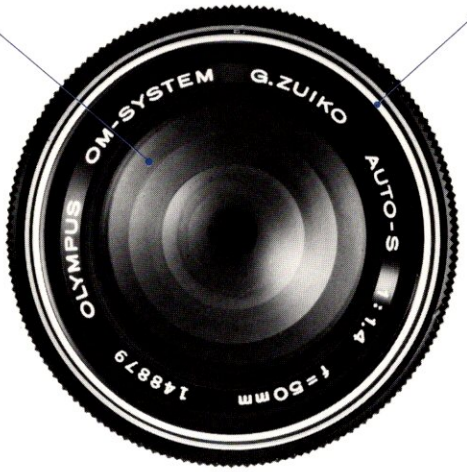
Specifications

Angle of view	Optical construction Element-Group	Diaphragm	F/stop range	Min. focus (ft.)	Min. photographic range (in.)	Focusing	Weight (oz.)	Length (in.)	Max. diameter (in.)	Hood	Filter
47°	7-6	Auto.	1.4-16	0.45m (1.5)	24×16cm (9.4×6.3)	Straight helicoid	230g. (8.1)	36mm (1.5)	60mm (2.4)	51mm Slide-on	49mm Screw-in

OM SYSTEM ZUIKO 50mm F1.4

● Zuiko Lens
6 groups 7 elements
Angle of view: 47°

● Front Mount Ring
Filter size: 49mmϕ
Hood: 51mmϕ slide-on (optional) (p.187)



Actual size

● Aperture Ring
Intermediate values between numbers on the dial can be used for fine exposure adjustments. All OM System interchangeable lenses feature automatic diaphragms, except shift and a few macro lenses.

● Depth of Field Preview Button
Pressing this button closes down the lens diaphragm to the preselected aperture for viewing depth of field.

● Focusing Ring
Focusing is fast and precise aided by the sleeve of textured, non-slip rubber fitted to the ring.

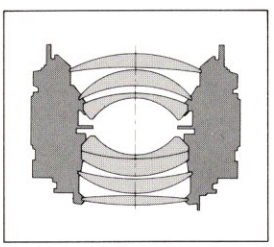


● Meter Coupling Lever
This lever transmits selected apertures to the exposure meter.

● Lens Release Button
Bayonet type interchangeable lenses are quickly removed by pressing this button and turning 70°counterclockwise. During mounting(after aligning red dots), the button should not be pressed.

● Automatic Diaphragm Lever
This lever closes down the lens diaphragm to the preselected aperture at the moment the shutter is released.

● Infrared Index Mark
A reference line to adjust camera-to-subject distance when using infrared films. The normally determined distance reading should be aligned with this mark.



Depth of Field Table

Figures with ※ are engraved on the distance scale

F stop	Distance scale	※0.45	0.5	※0.7	※1	※1.5	※2	※3	※5	※10	※∞
		Camera-to-subject distance (meters) Circle of least confusion 1/30mm.									
1.4		0.45~0.45	0.50~0.50	0.69~0.71	0.99~1.02	1.47~1.54	1.94~2.07	2.86~3.16	4.61~5.46	8.5~12.05	57.78~∞
2		0.45~0.45	0.50~0.50	0.69~0.71	0.98~1.02	1.45~1.55	1.91~2.10	2.80~3.23	4.47~5.68	8.0~13.21	40.53~∞
2.8		0.45~0.45	0.49~0.51	0.69~0.71	0.97~1.03	1.43~1.57	1.88~2.14	2.73~3.33	4.28~6.01	7.47~15.16	28.99~∞
4		0.44~0.46	0.49~0.51	0.68~0.72	0.96~1.04	1.41~1.61	1.83~2.20	2.63~3.49	4.04~6.58	6.74~19.47	20.33~∞
5.6		0.44~0.46	0.49~0.51	0.67~0.73	0.94~1.06	1.37~1.66	1.77~2.30	2.51~3.74	3.75~7.53	5.96~31.40	14.54~∞
8		0.44~0.46	0.48~0.52	0.66~0.74	0.92~1.09	1.32~1.73	1.69~2.45	2.34~4.19	3.39~9.63	5.08~396.65	10.19~∞
11		0.43~0.47	0.48~0.53	0.65~0.76	0.90~1.13	1.27~1.84	1.60~2.68	2.76~4.92	3.02~14.80	4.30~∞	7.43~∞
16		0.42~0.48	0.47~0.54	0.63~0.79	0.86~1.21	1.18~2.06	1.47~3.18	1.92~6.96	2.56~14.21	3.42~∞	5.12~∞

Depth of Field Table

Figures with ※ are engraved on the distance scale

F-stop	Distance scale	※2	※3	※4	※6	※8	※12	30	※∞
		Camera-to-subject distance (feet) Circle of least confusion 1/760in.							
1.4		1.98~2.02	2.96~3.04	3.93~4.08	5.83 6.18	7.69~8.33	11.31~12.78	25.97~35.51	187.12~∞
2		1.98~2.02	2.94~3.06	3.90~4.11	5.76 6.26	7.57~8.48	11.04~13.14	24.56~38.56	131.76~∞
2.8		1.97~2.03	2.92~3.08	3.86~4.16	5.67 6.37	7.41~8.69	10.70~13.66	22.90~43.53	94.51~∞
4		1.95~2.05	2.89~3.12	3.80~4.23	5.54~6.55	7.19~9.03	10.23~14.52	20.80~53.98	66.38~∞
5.6		1.94~2.07	2.85~3.17	3.72~4.32	5.37~6.80	6.91~9.52	9.66~15.86	18.53~79.45	47.54~∞
8		1.91~2.10	2.79~3.25	3.62~4.48	5.15~7.21	6.53~10.36	8.92~18.4	15.93~273.25	33.37~∞
11		1.88~2.14	2.72~3.36	3.49~4.69	4.89~7.80	6.11~11.66	8.14~23.1	13.56~∞	24.32~∞
16		1.83~2.21	2.60~3.55	3.30~5.10	4.51~9.04	5.52~14.74	7.11~39.9	10.87~∞	16.78~∞

OLYMPUS

ZUIKO 50mm F1.8



Characteristics

- The most convenient to operate among the standard lenses.
- Since various aberrations are compensated for almost completely, it provides high resolution over the entire picture area.
- Tipping the scale at a mere 170g (6.0 oz.), it is one of the smallest and lightest lenses.
- Close-up up to 45cm is possible.

Applications

- Interior photography
- General photography

Notes · Related Units

- Lens hood is sold separately.
- Compatible focusing screens: 1-1～1-6, 1-10, 1-13 (p. 201)

Specifications

Angle of view	Optical construction Element-Group	Diaphragm	F/stop range	Min. focus (ft.)	Min. photographic range (in.)	Focusing	Weight (oz.)	Length (in.)	Max. diameter (in.)	Hood	Filter
47°	6-5	Auto.	1.8-16	0.45m (1.5)	24×16cm (9.4×6.3)	Straight helicoid	170g. (6.0)	31mm (1.2)	59mm (2.3)	51mm Slide-on	49mm Screw-in

OM ZUIKO 50mm F1.8

● Zuiko Lens
5 groups 6 elements
Angle of view: 47°

● Front Mount Ring
Filter size: 49mm
Hood: 51mmφ slide-on (optional)(p.187)



● Aperture Ring
Intermediate values between numbers on the dial can be used for fine exposure adjustments. All OM System interchangeable lenses feature automatic diaphragms, except shift and a few macro lenses.

● Depth of Field Preview Button
Pressing this button closes down the lens diaphragm to the preselected aperture for viewing depth of field.

● Focusing Ring
Focusing is fast and precise aided by the sleeve of textured, non-slip rubber fitted to the ring.

Actual size

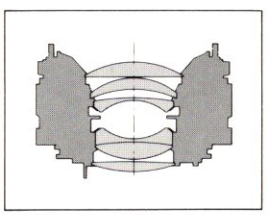


● Meter Coupling Lever
This lever transmits selected apertures to the exposure meter.

● Lens Release Button
Bayonet type interchangeable lenses are quickly removed by pressing this button and turning 70°counterclockwise. During mounting(after aligning red dots), the button should not be pressed.

● Automatic Diaphragm Lever
This lever closes down the lens diaphragm to the preselected aperture at the moment the shutter is released.

● Infrared Index Mark
A reference line to adjust camera-to-subject distance when using infrared films. The normally determined distance reading should be aligned with this mark.



Depth of Field Table

Figures with ※ are engraved on the distance scale

Distance scale	F-stop	Camera-to-subject distance (meters) Circle of least confusion 1/30mm.									
		※0.45	0.5	※0.7	※1	※1.5	※2	※3	※5	※10	※∞
F-stop	1.8	0.45~0.45	0.50~0.50	0.69~0.71	0.98~1.02	1.46~1.55	1.92~2.09	2.82~3.20	4.52~5.60	8.21~12.79	45.05~∞
	2	0.45~0.45	0.50~0.50	0.69~0.71	0.98~1.02	1.45~1.55	1.91~2.10	2.80~3.23	4.47~5.68	8.05~13.20	40.57~∞
	2.8	0.45~0.45	0.49~0.51	0.69~0.71	0.97~1.03	1.43~1.57	1.88~2.14	2.73~3.33	4.28~6.01	7.47~15.15	29.02~∞
	4	0.44~0.46	0.49~0.51	0.68~0.72	0.96~1.04	1.41~1.61	1.83~2.20	2.63~3.49	4.04~6.57	6.74~19.44	20.35~∞
	5.6	0.44~0.46	0.49~0.51	0.67~0.73	0.94~1.06	1.37~1.66	1.77~2.29	2.51~3.74	3.75~7.52	5.96~31.31	14.55~∞
	8	0.44~0.46	0.48~0.52	0.66~0.74	0.92~1.09	1.32~1.73	1.69~2.45	2.34~4.18	3.39~9.61	5.09~378.10	10.21~∞
	11	0.43~0.47	0.48~0.53	0.65~0.76	0.90~1.13	1.27~1.84	1.60~2.68	2.17~4.91	3.02~14.74	4.30~∞	7.44~∞
	16	0.43~0.48	0.47~0.54	0.63~0.79	0.86~1.20	1.19~2.05	1.47~3.17	1.93~6.93	2.57~138.43	3.42~∞	5.13~∞

Depth of Field Table

Figures with ※ are engraved on the distance scale

Distance scale	F-stop	Camera-to-subject distance (feet) Circle of least confusion 1/760in.							
		※2	※3	※4	※6	※8	※12	30	※∞
F-stop	1.8	1.98~2.02	2.95~3.05	3.91~4.10	5.78~6.23	7.61~8.43	11.13~13.01	25.02~37.47	146.31~∞
	2	1.98~2.02	2.94~3.06	3.90~4.11	5.76~6.26	7.57~8.48	11.05~13.14	24.57~38.54	131.88~∞
	2.8	1.97~2.03	2.92~3.08	3.86~4.15	5.67~6.37	7.41~8.69	10.71~13.66	22.91~43.50	94.60~∞
	4	1.96~2.05	2.89~3.12	3.80~4.22	5.54~6.54	7.19~9.02	10.23~14.51	20.81~53.91	66.45~∞
	5.6	1.94~2.07	2.85~3.17	3.72~4.32	5.38~6.79	6.91~9.51	9.67~15.85	18.54~79.26	47.60~∞
	8	1.91~2.10	2.79~3.25	3.62~4.48	5.15~7.20	6.53~10.35	8.93~18.38	15.95~270.28	33.41~∞
	11	1.88~2.13	2.72~3.35	3.49~4.69	4.89~7.79	6.11~11.64	8.15~23.00	13.58~∞	23.36~∞
	16	1.83~2.20	2.61~3.51	3.31~5.09	4.52~9.02	5.53~14.70	7.12~39.68	10.89~∞	16.80~∞

OLYMPUS

ZUIKO MACRO 50mm F3.5



Characteristics

- This is the world's first macro lens in which a floating element group was incorporated.
- It was originally designed to achieve the best performance up to 1/10 life size. However, with the incorporation of the new mechanism, it offers high resolution throughout the focusing range from infinity to 1/2 life size.
- It is unusually compact and light for a macro 50mm lens.

Applications

- Close-up and copying work
- General photography

Notes · Related Units

- Lens hood is not necessary.
- Combined with Extension Tube 25, the lens extends the reproduction ratio from 1/2 to 1:1 life size. However, to obtain best results in this range, the use of 1:1 Macro 80mm F4 (with Auto Bellows) is recommended (pp.511 & 173).
- When an extension tube is used, the automatic diaphragm becomes ineffective and stopped-down metering is required.
- Compatible focusing screens: 1-1～1-5, 1-10, 1-13 (p. 201)

Specifications

Angle of view	Optical construction Element-Group	Diaphragm	F/stop range	Min. focus (ft.)	Min. photographic range (in)	Focusing	Weight (oz.)	Length (in.)	Max. diameter (in.)	Hood	Filter
47°	5-4	Auto.	3.5-22	0.23m (0.8)	72×48mm (2.8×1.9)	Straight helicoid	200g. (7.1)	40mm (1.6)	60mm (2.4)	Not necessary	49mm Screw-in

OM SYSTEM ZUIKO MACRO 50mm F3.5

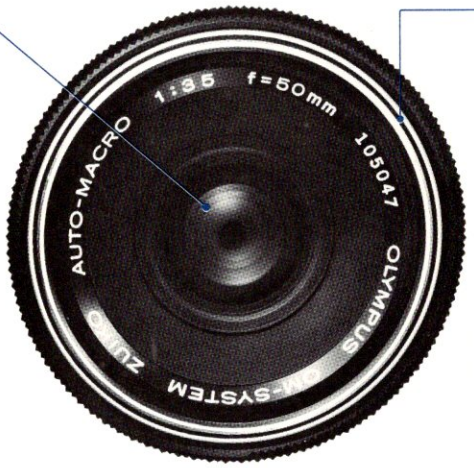
● Zuiko Lens
4 groups 5 elements
Angle of view: 47°

● Aperture Ring
Intermediate values between numbers on the dial can be used for fine exposure adjustments. The lens has an automatic diaphragm.

● Focusing Ring
Focusing is fast and precise aided by the sleeve of textured, non-slip rubber fitted to the ring. Reproduction ratios are engraved on the ring.

● Lens Release Button
Bayonet type interchangeable lenses are quickly removed by pressing this button and turning 70° counterclockwise. During mounting(after aligning red dots), the button should not be pressed.

● Automatic Diaphragm Lever
This lever closes down the lens diaphragm to the preselected aperture at the moment the shutter is released.



Actual size

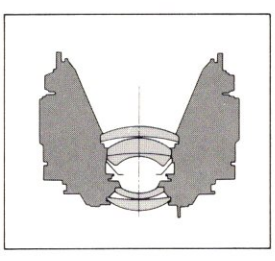


● Front Mount Ring
Filter size: 49mmϕ
Hood: not necessary

● Depth of Field Preview Button
Pressing this button closes down the lens diaphragm to the preselected aperture for viewing depth of field.

● Meter Coupling Lever
This lever transmits selected apertures to the exposure meter.

● Infrared Index Mark
A reference line to adjust camera-to-subject distance when using infrared films. The normally determined distance reading should be aligned with this mark.



Depth of Field Table

Figures with ※ are engraved on the distance scale

F-stop \ Distance scale	※0.23	※0.25	※0.3	※0.4	※0.5	※0.7	※1	2	※3	※∞
3.5	0.23~0.23	0.25~0.25	0.30~0.30	0.40~0.40	0.49~0.51	0.68~0.72	0.96~1.04	1.85~2.17	2.67~3.42	23.21~∞
4	0.23~0.23	0.25~0.25	0.30~0.30	0.40~0.40	0.49~0.51	0.68~0.72	0.96~1.04	1.83~2.20	2.63~3.49	20.32~∞
5.6	0.23~0.23	0.25~0.25	0.30~0.30	0.39~0.41	0.49~0.51	0.67~0.73	0.93~1.06	1.77~2.29	2.51~3.74	14.53~∞
8	0.23~0.23	0.25~0.25	0.30~0.30	0.39~0.41	0.48~0.52	0.66~0.74	0.92~1.09	1.69~2.45	2.34~4.18	10.19~∞
11	0.23~0.23	0.25~0.25	0.29~0.31	0.39~0.41	0.48~0.52	0.65~0.76	0.90~1.13	1.60~2.68	2.17~4.91	7.43~∞
16	0.23~0.23	0.25~0.25	0.29~0.31	0.38~0.42	0.47~0.54	0.63~0.79	0.86~1.20	1.47~3.17	1.93~6.93	5.12~∞
22	0.23~0.23	0.24~0.26	0.29~0.31	0.38~0.43	0.46~0.55	0.61~0.82	0.81~1.31	1.34~4.07	1.70~13.81	3.74~∞

Depth of Field Table

Figures with ※ are engraved on the distance scale

F-stop \ Distance scale	※9"	※10"	※1	※1.2	※1.5	※2	※3	※4	※6	8	10	※∞
3.5	0.75~0.75	0.83~0.83	0.99~1.01	1.24~1.26	1.48~1.52	1.96~2.04	2.90~3.10	3.82~4.19	5.60~6.47	7.28~8.88	8.89~11.43	75.74~∞
4	0.75~0.75	0.83~0.83	0.99~1.01	1.24~1.26	1.48~1.52	1.96~2.05	2.89~3.12	3.80~4.22	5.54~6.54	7.19~9.02	8.75~11.67	66.35~∞
5.6	0.75~0.75	0.83~0.83	0.99~1.01	1.23~1.27	1.47~1.53	1.94~2.07	2.85~3.17	3.73~4.32	5.38~6.79	6.91~9.51	8.34~12.51	47.53~∞
8	0.75~0.75	0.82~0.84	0.99~1.01	1.22~1.28	1.46~1.55	1.91~2.10	2.79~3.25	3.62~4.47	5.15~7.20	6.53~10.35	7.79~14.03	33.36~∞
11	0.74~0.76	0.82~0.84	0.98~1.02	1.21~1.29	1.44~1.56	1.88~2.13	2.72~3.35	3.50~4.68	4.89~7.78	6.11~11.63	7.19~16.54	24.33~∞
16	0.74~0.76	0.82~0.84	0.97~1.03	1.20~1.31	1.42~1.60	1.84~2.20	2.61~3.54	3.31~5.08	4.52~9.01	5.53~14.70	6.38~23.63	16.79~∞
22	0.74~0.76	0.81~0.85	0.96~1.04	1.18~1.33	1.39~1.64	1.78~2.29	2.49~3.80	3.11~5.67	4.14~11.14	4.96~21.55	5.63~49.01	12.26~∞

OLYMPUS

ZUIKO ZOOM 75-150mm F4



Characteristics

- The 75-150mm zoom is a most versatile, popular lens. Designed for unusual compactness, its total length is a mere 115mm (4.5").
- Once in focus, the zoom needs no refocusing when the focal length is changed. It maintains as high performances as those of fixed-focus lenses.
- At the minimum focusing distance (1.6m), the whole of subject's face is cropped.

Applications

- Portraits
- Snapshots, scenery
- Mountains
- Sports events

Notes · Related Units

- For hand-held photography, a shutter speed of 1/125 sec. or faster is recommended. Also, to prevent camera shake:
  When using a tripod, hold the camera steady with both hands and press the shutter release with the ball of finger, not with the cable release.
- Compatible focusing screens: 1-1～1-4, 1-6, 1-10, 1-13 (p.201)

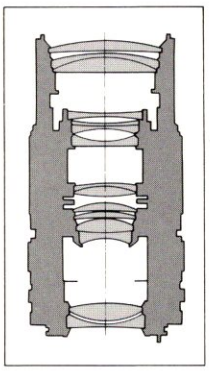
Specifications

Angle of view	Optical construction Element-Group	Diaphragm	F/stop range	Min focus (ft.)	Min. photographic range	Focusing	Weight (oz.)	Length (in.)	Max. diameter (in.)	Hood	Filter
32°-16°	15-11	Auto.	4-22	1.6m (5.2)	64×42cm(75mm) 32×21cm(150mm)	Straight helicoid	440g (15.5)	115mm (4.5)	63mm (2.5)	Built-in	49mm Screw-in

OM SYSTEM ZUIKO ZOOM 75~150mm F4

● **Zuiko Lens**
11 groups 15 elements
Angle of view: 32°~16°

● **Front Mount Ring**
Filter size: 49mmφ



● **Lens Hood**
Built in, retractable.

● **Focusing Ring**
Focusing is fast and precise aided by the sleeve of textured, non-slip rubber fitted to the ring.

● **Zoom Ring**
The ridged ring has feel and touch distinguishable from the focusing ring: 90° rotation for full zooming range.

● **Aperture Ring**
Intermediate values between numbers on the dial can be used for fine exposure adjustments. All OM System interchangeable lenses feature automatic diaphragms, except shift and a few macro lenses.

● **Lens Release Button**
Bayonet type interchangeable lenses are quickly removed by pressing this button and turning 70°counterclockwise. During mounting(after aligning red dots), the button should not be pressed.

● **Depth of Field Preview Button**
Pressing this button closes down the lens diaphragm to the preselected aperture for viewing depth of field.

● **Automatic Diaphragm Lever**
This lever closes down the lens diaphragm to the preselected aperture at the moment the shutter is released.

● **Meter Coupling Lever**
This lever transmits selected apertures to the exposure meter.



Actual size

Depth of Field Table Figures with ※ are engraved on the distance scale

Distance scale		(f=75mm) Camera-to-subject distance (meters) Circle of least confusion 1/30mm.										
		※1.6	※2	※3	※5	※7	※10	15	※30	40	50	※∞
F-Stop	4	1.56~1.64	1.94~2.06	2.85~3.16	4.58~5.51	6.18~8.08	8.38~12.43	11.57~21.38	18.73~76.33	22.15~213.60	24.87~∞	48.77~∞
	5.6	1.55~1.65	1.92~2.09	2.80~3.24	4.43~5.76	5.90~8.64	7.85~13.83	10.58~25.98	16.22~214.06	18.71~∞	20.61~∞	34.59~∞
	8	1.53~1.68	1.88~2.13	2.72~3.35	4.23~6.14	5.54~9.57	7.21~16.46	9.44~37.42	13.64~∞	15.35~∞	16.60~∞	24.54~∞
	11	1.50~1.71	1.84~2.19	2.62~3.52	3.97~6.79	5.10~11.31	6.47~22.58	8.19~100.11	11.15~∞	12.26~∞	13.03~∞	17.43~∞
	16	1.47~1.76	1.78~2.29	2.49~3.79	3.67~8.00	4.59~15.28	5.66~47.98	6.91~∞	8.88~∞	9.56~∞	10.02~∞	12.39~∞
	22	1.42~1.84	1.71~2.44	2.34~4.27	3.31~0.74	4.03~30.61	4.82~∞	5.68~∞	6.91~∞	7.31~∞	7.57~∞	8.82~∞

Distance scale		(f=100mm) Camera-to-subject distance (meters) Circle of least confusion 1/30mm.										
		※1.6	※2	※3	※5	※7	※10	15	※30	40	50	※∞
F-Stop	4	1.58~1.62	1.97~2.04	2.92~3.09	4.75~5.28	66.51~7.57	9.01~11.24	12.85~18.04	22.37~45.63	27.46~73.88	31.81~117.55	35.80~∞
	5.6	1.57~1.63	1.95~2.05	2.88~3.13	4.66~5.40	66.33~7.84	8.66~11.85	12.13~19.69	20.25~58.22	24.32~113.98	27.65~267.91	60.89~∞
	8	1.56~1.64	1.93~2.07	2.84~3.19	4.53~5.59	66.09~8.25	8.20~12.84	11.24~22.64	17.85~95.71	20.93~495.45	23.35~∞	43.18~∞
	11	1.54~1.66	1.91~2.11	2.77~3.27	4.36~5.87	5.78~8.91	7.64~14.56	10.19~28.75	15.30~∞	17.50~∞	19.15~∞	30.63~∞
	16	1.52~1.69	1.87~2.15	2.69~3.40	4.14~6.33	5.39~10.06	6.96~18.00	9.00~46.59	12.74~∞	14.22~∞	15.28~∞	21.74~∞
	22	1.49~1.73	1.82~2.22	2.58~3.60	3.87~7.13	4.93~12.32	6.19~27.08	7.74~400.60	10.32~∞	11.25~∞	11.90~∞	15.44~∞

Distance scale		(f=150mm) Camera-to-subject distance (meters) Circle of least confusion 1/30mm.										
		※1.6	※2	※3	※5	※7	※10	15	※30	40	50	※∞
F-Stop	4	1.59~1.61	1.98~2.02	2.96~3.04	4.89~5.12	6.77~7.24	9.54~10.51	13.96~16.21	26.06~35.35	33.27~50.16	39.89~67.01	191.67~∞
	5.6	1.59~1.61	1.98~2.02	2.95~3.06	4.84~5.17	6.69~7.35	9.36~10.74	13.58~16.76	24.72~38.17	31.11~56.07	36.82~78.02	136.36~∞
	8	1.58~1.62	1.97~2.03	2.92~3.08	4.78~5.24	6.56~7.50	9.11~11.08	13.06~17.62	23.05~43.03	28.49~67.29	33.20~01.67	96.86~∞
	11	1.57~1.63	1.96~2.05	2.89~3.11	4.69~5.35	6.40~7.73	8.79~11.60	12.40~19.00	21.03~52.51	25.47~93.89	29.15~178.12	68.75~∞
	16	1.56~1.64	1.94~2.06	2.85~3.16	4.58~5.51	6.18~8.08	8.38~12.43	11.57~21.38	18.73~76.33	22.15~213.58	24.87~1 ∞	48.77~∞
	22	1.55~1.65	1.92~2.09	2.80~3.24	4.43~5.76	5.90~8.64	7.85~13.83	10.58~25.98	16.22~214.04	18.71~∞	20.61~∞	34.59~∞

Depth of Field Table Figures with ※ are engraved on the distance scale

Distance scale		(f=75mm) Camera-to-subject distance (feet) Circle of least confusion 1/760in.							
		※6	※8	※12	※20	※50	100	150	※∞
F-Stop	4	5.84~6.17	7.69~8.33	11.27~12.84	17.95~22.60	38.44~71.77	62.04~260.99	78.01~∞	158.25~∞
	5.6	5.78~6.24	7.57~8.48	11.00~13.22	17.22~23.90	35.09~87.67	53.65~792.47	65.14~∞	112.61~∞
	8	5.69~6.35	7.41~8.70	10.63~13.81	16.29~26.02	31.26~127.89	45.07~∞	52.85~∞	80.09~∞
	11	5.57~6.51	7.20~9.03	10.16~14.73	15.14~29.78	27.11~368.19	36.80~∞	41.78~∞	56.96~∞
	16	5.41~6.76	6.91~9.55	9.56~16.30	13.78~37.49	22.84~∞	29.26~∞	32.28~∞	40.53~∞
	22	5.21~7.14	6.55~10.40	8.83~19.21	12.23~59.54	18.73~∞	22.75~∞	24.50~∞	28.89~∞

Distance scale		(f=100mm) Camera-to-subject distance (feet) Circle of least confusion 1/760in.							
		※6	※8	※12	※20	※50	100	150	※∞
F-Stop	4	5.91~6.10	7.82~8.19	11.58~12.46	18.78~21.39	42.72~60.32	74.27~153.38	98.52~315.75	276.14~∞
	5.6	5.87~6.14	7.75~8.26	11.41~12.66	18.32~22.03	40.30~65.98	67.14~197.09	86.30~583.71	197.06~∞
	8	5.82~6.19	7.66~8.38	11.18~12.95	17.71~23.00	37.32~76.11	59.13~330.79	73.43~∞	140.32~∞
	11	5.75~6.28	7.52~8.55	10.88~13.40	16.92~24.53	33.79~97.29	50.61~∞	60.69~∞	99.82~∞
	16	5.65~6.40	7.34~8.80	10.48~14.08	15.91~27.09	29.82~160.90	42.08~∞	48.77~∞	70.98~∞
	22	5.52~6.59	7.10~9.19	9.96~15.19	14.68~31.83	25.60~∞	34.03~∞	38.22~∞	50.49~∞

Distance scale		(f=150mm) Camera-to-subject distance (feet) Circle of least confusion 1/760in.							
		※6	※8	※12	※20	※50	100	150	※∞
F-Stop	4	5.96~6.04	7.92~8.08	11.81~12.20	19.44~20.59	46.49~54.09	86.70~118.17	121.81~195.28	602.59~∞
	5.6	5.94~6.06	7.89~8.11	11.73~12.28	19.22~20.85	45.18~55.99	82.18~127.80	113.03~223.24	433.93~∞
	8	5.92~6.08	7.84~8.16	11.62~12.40	18.92~21.22	43.45~58.92	76.54~144.46	102.57~279.97	313.97~∞
	11	5.89~6.12	7.78~8.23	11.48~12.58	18.50~21.77	41.22~63.63	69.78~177.19	90.73~437.42	222.09~∞
	16	5.84~6.17	7.69~8.33	11.27~12.84	17.95~22.60	38.44~71.77	62.04~260.98	78.01~∞	158.26~∞
	22	5.78~6.24	7.57~8.48	11.00~13.22	17.22~23.90	35.09~87.67	53.65~792.38	65.14~∞	112.61~∞

OLYMPUS

OMIF · 0178T

ZUIKO 85mm F2



Characteristics

- The 85mm is an ideal lens for portraits because it depicts pleasing out-of-focus foregrounds and backgrounds as well as natural perspective.
- It has the smallest, lightest configuration in its class.
- It incorporates a floating element group for the first time in the world for a telephoto, ensuring superior image quality even at close distances.

Applications

- Portraits
- Night scenes, interiors
- Stage plays

Notes · Related Units

- For hand-held photography, a shutter speed of 1/125 sec. or faster is recommended. Also, to prevent camera shake:
  When using a tripod, hold the camera steady with both hands and press the shutter release with the ball of finger, not with the cable release.
- Compatible focusing screens: 1-1 ~ 1-6, 1-10, 1-13 (p. 201)

Specifications

Angle of view	Optical construction Element-Group	Diaphragm	F/stop range	Min. focus (ft.)	Min. photographic range (in.)	Focusing	Weight (oz.)	Length (in.)	Max. diameter (in.)	Hood	Filter
29°	6-4	Auto.	2-16	0.85m (2.8)	25×17cm (9.8×6.7)	Straight helicoid	260g. (9.2)	46mm (1.8)	60mm (2.4)	49mm Screw-in	49mm Screw-in

OM SYSTEM ZUIKO 85mm F2

● **Zuiko Lens**
4 groups 6 elements
Angle of view: 29°

● **Front Mount Ring**
Filter size: 49mmϕ
Hood: 49mmϕ screw-in (sold with lens as a set) (p.187)



Actual size

● **Aperture Ring**
Intermediate values between numbers on the dial can be used for fine exposure adjustments. All OM System interchangeable lenses feature automatic diaphragms, except shift and a few macro lenses.

● **Focusing Ring**
Focusing is fast and precise aided by the sleeve of textured, non-slip rubber fitted to the ring.

● **Depth of Field Preview Button**
Pressing this button closes down the lens diaphragm to the preselected aperture for viewing depth of field.

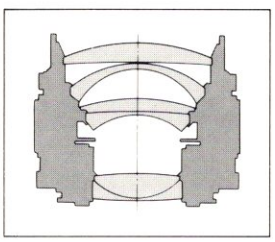


● **Meter Coupling Lever**
This lever transmits selected apertures to the exposure meter.

● **Lens Release Button**
Bayonet type interchangeable lenses are quickly removed by pressing this button and turning 70°counterclockwise. During mounting(after aligning red dots), the button should not be pressed.

● **Infrared Index Mark**
A reference line to adjust camera-to-subject distance when using infrared films. The normally determined distance reading should be aligned with this mark.

● **Automatic Diaphragm Lever**
This lever closes down the lens diaphragm to the preselected aperture at the moment the shutter is released.



Depth of Field Table

Figures with ※ are engraved on the distance scale

Distance scale		Camera-to-subject distance (meters) Circle of least confusion 1/30mm.									
		※0.85	※1	※1.5	※2	※3	※5	※10	30	50	※∞
F-stop	2	0.85~0.85	0.99~1.01	1.48~1.52	1.97~2.03	2.93~3.08	4.79~5.23	9.18~10.98	23.59~41.21	34.38~91.73	108.34~∞
	2.8	0.84~0.86	0.99~1.01	1.48~1.52	1.96~2.05	2.90~3.11	4.71~5.32	8.89~11.43	21.74~48.46	30.57~137.77	77.65~∞
	4	0.84~0.86	0.99~1.01	1.47~1.54	1.94~2.07	2.86~3.16	4.60~5.48	8.49~12.17	19.44~65.86	26.21~558.79	54.51~∞
	5.6	0.84~0.86	0.98~1.02	1.45~1.55	1.91~2.09	2.80~3.23	4.46~5.69	8.01~13.33	17.05~126.46	22.02~∞	39.02~∞
	8	0.83~0.87	0.97~1.03	1.43~1.57	1.88~2.14	2.73~3.34	4.26~6.06	7.38~15.57	14.39~∞	17.77~∞	27.37~∞
	11	0.83~0.88	0.96~1.04	1.41~1.60	1.84~2.19	2.64~3.48	4.04~6.58	6.72~19.69	12.05~∞	14.33~∞	19.94~∞
	16	0.81~0.89	0.95~1.06	1.38~1.65	1.77~2.30	2.50~3.76	3.72~7.69	5.85~35.36	9.49~∞	10.83~∞	13.74~∞

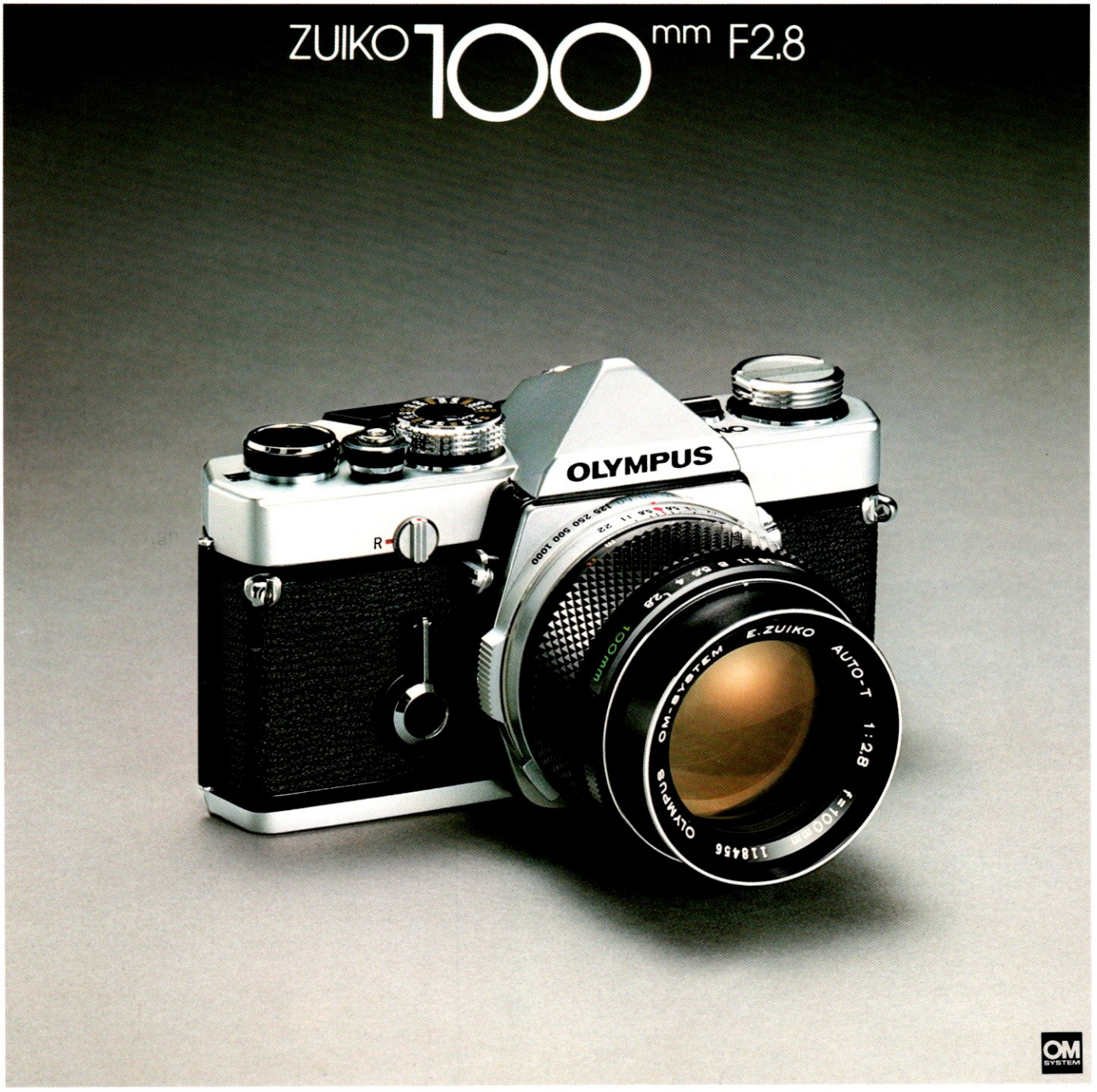
Depth of Field Table

Figures with ※ are engraved on the distance scale

Distance scale		Camera-to-subject distance (feet) Circle of least confusion 1/760in.									
		※3	※4	※6	※8	※12	※20	50	100	150	※∞
F-stop	2	2.98~3.02	3.97~4.04	5.91~6.09	7.84~8.16	11.64~12.39	18.99~21.13	43.98~57.94	78.37~138.21	105.99~256.75	346.92~∞
	2.8	2.97~3.03	3.95~4.05	5.88~6.12	7.78~8.23	11.50~12.55	18.61~21.62	41.96~61.88	72.13~163.17	94.87~359.08	250.35~∞
	4	2.96~3.04	3.93~4.07	5.83~6.18	7.69~8.33	11.30~12.80	18.07~22.40	39.26~68.91	64.45~223.86	81.98~893.75	176.65~∞
	5.6	2.95~3.05	3.90~4.10	5.77~6.25	7.58~8.48	11.04~13.15	17.40~23.53	36.16~81.22	56.44~444.54	69.41~∞	126.89~∞
	8	2.93~3.07	3.86~4.15	5.67~6.37	7.41~8.70	10.67~13.71	16.49~25.46	32.33~111.01	47.58~∞	56.45~∞	89.24~∞
	11	2.90~3.10	3.82~4.21	5.56~6.52	7.21~8.99	10.25~14.49	15.47~28.37	28.56~205.36	39.79~∞	45.79~∞	65.13~∞
	16	2.86~3.15	3.74~4.31	5.38~6.79	6.90~9.54	9.62~16.02	14.03~35.09	23.93~∞	31.28~∞	34.85~∞	44.95~∞

OLYMPUS

ZUIKO 100mm F2.8



Characteristics

- As small and light as a conventional standard lens.
- It has high resolving power and reveals pleasing out-of-focus foregrounds and backgrounds.
- Aberrations are minimized for superb image quality even at close focusing distances.

Applications

- Portraits
- Snapshots
- Interiors, stage plays

Notes · Related Units

- For hand-held photography, a shutter speed of 1/125 sec. or faster is recommended. Also, to prevent camera shake:
  When using a tripod, hold the camera steady with both hands and press the shutter release with the ball of finger, not with the cable release.
- Compatible focusing screens: 1-1～1-6, 1-10, 1-13 (p. 201)

Specifications

Angle of view	Optical construction Element-Group	Diaphragm	F/stop range	Min. focus (ft.)	Min. photographic range (in.)	Focusing	Weight (oz.)	Length (in.)	Max. diameter (in.)	Hood	Filter
24°	5-5	Auto.	2.8-22	1 m (3.3)	29×19cm (11.4×7.5)	Straight helicoid	230g. (8.1)	48mm (1.9)	60mm (2.4)	49mm Screw-in	49mm Screw-in

OM SYSTEM ZUIKO 100mm F2.8

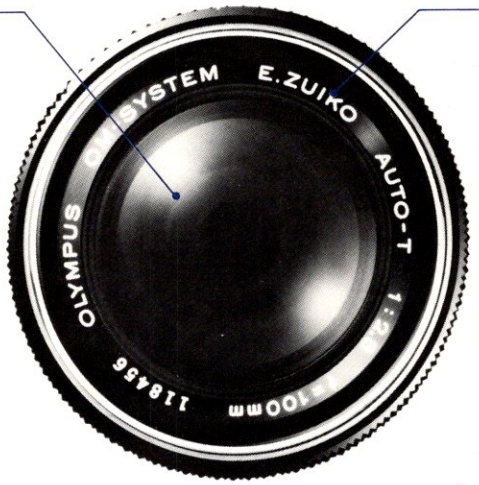
● **Zuiko Lens**
5 groups 5 elements
Angle of view: 24°

● **Aperture Ring**
Intermediate values between numbers on the dial can be used for fine exposure adjustments. All OM System interchangeable lenses feature automatic diaphragms, except shift and a few macro lenses.

● **Focusing Ring**
Focusing is fast and precise aided by the sleeve of textured, non-slip rubber fitted to the ring.

● **Lens Release Button**
Bayonet type interchangeable lenses are quickly removed by pressing this button and turning 70°counterclockwise. During mounting(after aligning red dots), the button should not be pressed.

● **Automatic Diaphragm Lever**
This lever closes down the lens diaphragm to the preselected aperture at the moment the shutter is released.



Actual size

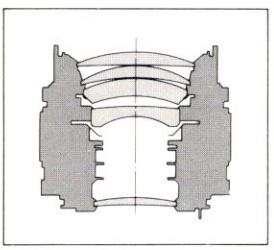


● **Front Mount Ring**
Filter size: 49mm φ
Hood: 49mm φ screw-in (sold with lens as a set)(p.187)

● **Depth of Field Preview Button**
Pressing this button closes down the lens diaphragm to the preselected aperture for viewing depth of field.

● **Meter Coupling Lever**
This lever transmits selected apertures to the exposure meter.

● **Infrared Index Mark**
A reference line to adjust camera-to-subject distance when using infrared films. The normally determined distance reading should be aligned with this mark.



Depth of Field Table

Figures with ※ are engraved on the distance scale

F-stop	Distance scale	Camera-to-subject distance (meters) Circle of least confusion 1/30mm.								
		※1	※1.5	※2	※3	※5	※10	30	50	※∞
2.8		0.99~1.01	1.48~1.52	1.97~2.03	2.93~3.08	4.79~5.23	9.18~10.98	23.55~41.34	34.29~92.41	107.32~∞
4		0.99~1.01	1.48~1.52	1.96~2.05	2.90~3.11	4.71~5.33	8.87~11.47	21.57~49.34	30.23~145.31	75.40~∞
5.6		0.99~1.01	1.47~1.53	1.94~2.06	2.86~3.16	4.60~5.48	8.48~12.18	19.39~66.52	26.11~615.55	54.00~∞
8		0.98~1.02	1.45~1.55	1.91~2.09	2.80~3.23	4.45~5.71	7.97~13.45	16.85~139.50	21.68~∞	37.89~∞
11		0.98~1.03	1.44~1.57	1.88~2.13	2.73~3.33	4.28~6.03	7.41~15.45	14.48~∞	17.89~∞	27.61~∞
16		0.97~1.04	1.41~1.60	1.84~2.20	2.63~3.50	4.01~6.66	6.63~20.57	11.73~∞	13.87~∞	19.03~∞
22		0.95~1.05	1.38~1.64	1.78~2.28	2.51~3.73	3.74~7.61	5.89~34.26	9.56~∞	10.93~∞	13.88~∞

Depth of Field Table

Figures with ※ are engraved on the distance scale

F-stop	Distance scale	Camera-to-subject distance (feet) Circle of least confusion 1/760in.								
		※4	※6	※8	※12	※20	※50	100	150	※∞
2.8		3.97~4.03	5.92~6.09	7.85~8.16	11.64~12.38	18.99~21.13	43.95~58.00	78.24~138.63	105.74~258.36	343.73~∞
4		3.95~4.05	5.88~6.12	7.78~8.23	11.49~12.56	18.58~21.66	41.79~62.28	71.57~166.19	93.88~374.44	243.22~∞
5.6		3.93~4.07	5.84~6.17	7.70~8.33	11.30~12.79	18.07~22.40	39.21~69.07	64.28~226.18	81.68~935.26	175.03~∞
8		3.91~4.10	5.77~6.25	7.58~8.48	11.03~13.17	17.36~23.61	35.90~82.61	55.76~494.07	68.37~∞	123.27~∞
11		3.87~4.14	5.69~6.35	7.43~8.67	10.70~13.67	16.54~25.34	32.48~109.50	47.85~∞	56.82~∞	90.04~∞
16		3.82~4.20	5.56~6.53	7.20~9.02	10.21~14.59	15.34~28.86	28.04~240.02	38.72~∞	44.36~∞	62.18~∞
22		3.76~4.28	5.41~6.75	6.94~9.47	9.67~15.89	14.12~34.66	24.10~∞	31.53~∞	35.15~∞	45.39~∞

OLYMPUS

ZUIKO 135mm F2.8



Characteristics

- The 135mm is the most popular among telephotos because it is small, light, easy to handle and produces satisfactory telephoto effect.
- Despite the bright F2.8 aperture, it is extremely compact.
- Various aberrations are well compensated, it offers high resolution and excellent contrast.

Applications

- Portraits
- Scenery
- Indoor sports, stage plays

Notes · Related Units

- For hand-held photography, a shutter speed of 1/125 sec. or faster is recommended. Also, to prevent camera shake:
  When using a tripod, hold the camera steady with both hands and press the shutter release with the ball of finger, not with the cable release.
- Compatible focusing screens: 1-1～1-6, 1-10, 1-13 (p.201)

Specifications

Angle of view	Optical construction Element-Group	Diaphragm	F/stop range	Min. focus (ft.)	Min. photographic range (in.)	Focusing	Weight (oz.)	Length (in.)	Max. diameter (in.)	Hood	Filter
18°	5-5	Auto.	2.8-22	1.5m (4.9)	32×21cm (12.6×8.3)	Straight helicoid	360g. (12.7)	80mm (3.1)	61mm (2.4)	Built-in	55mm Screw-in

OM ZUIKO 135mm F2.8

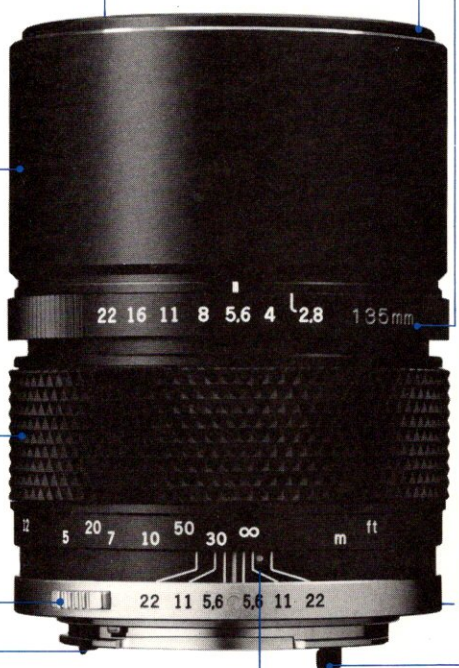
● Zuiko Lens
5 groups 5 elements
Angle of view: 18°

● Lens Hood
Built in, retractable.

● Focusing Ring
Focusing is fast and precise aided by the sleeve of textured, non-slip rubber fitted to the ring.

● Lens Release Button
Bayonet type interchangeable lenses are quickly removed by pressing this button and turning 70° counterclockwise. During mounting(after aligning red dots), the button should not be pressed.

● Automatic Diaphragm Lever
This lever closes down the lens diaphragm to the preselected aperture at the moment the shutter is released.



Actual size

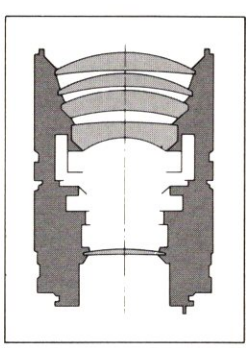
● Front Mount Ring
Filter size: 55mm ϕ

● Aperture Ring
Intermediate values between numbers on the dial can be used for fine exposure adjustments. All OM System interchangeable lenses feature automatic diaphragms, except shift and a few macro lenses.

● Depth of Field Preview Button
Pressing this button closes down the lens diaphragm to the preselected aperture for viewing depth of field.

● Meter Coupling Lever
This lever transmits selected apertures to the exposure meter.

● Infrared Index Mark
A reference dot to adjust camera-to-subject distance when using infrared films. The normally determined distance reading should be aligned with this mark.



Depth of Field Table

Figures with ※ are engraved on the distance scale

Distance scale / F-stop	※1.5	※2	※3	※5	※7	※10	※30	50	※∞
2.8	1.49~1.51	1.98~2.02	2.96~3.04	4.88~5.12	6.77~7.25	9.53~10.52	26.03~35.40	39.83~67.18	190.51~∞
4	1.49~1.51	1.98~2.02	2.94~3.06	4.84~5.18	6.68~7.36	9.34~10.76	24.64~38.37	36.64~78.80	134.16~∞
5.6	1.48~1.52	1.97~2.03	2.92~3.08	4.77~5.25	6.55~7.51	9.10~11.10	22.99~43.20	33.10~102.44	96.23~∞
8	1.48~1.52	1.95~2.05	2.89~3.12	4.68~5.36	6.38~7.76	8.76~11.65	20.91~53.26	28.92~186.36	67.60~∞
11	1.47~1.53	1.94~2.07	2.85~3.17	4.58~5.52	6.18~8.08	8.38~12.42	18.78~75.17	24.98~∞	49.29~∞
16	1.45~1.55	1.91~2.10	2.79~3.25	4.41~5.79	5.86~8.70	7.80~13.96	16.06~240.12	20.37~∞	33.98~∞
22	1.44~1.57	1.88~2.14	2.72~3.35	4.22~6.15	5.53~9.57	7.21~16.42	13.68~∞	16.68~∞	24.77~∞

Depth of Field Table

Figures with ※ are engraved on the distance scale

Distance scale / F-stop	※6	※8	※12	※20	※50	100	150	※∞
2.8	5.96~6.04	7.92~8.08	11.80~12.20	19.43~20.61	46.45~54.14	86.59~118.36	121.62~195.75	599.06~∞
4	5.94~6.06	7.88~8.12	11.72~12.30	19.20~20.88	45.08~56.14	81.88~128.48	112.50~225.21	427.13~∞
5.6	5.91~6.09	7.84~8.17	11.61~12.42	18.89~21.25	43.37~59.04	76.36~145.02	102.29~281.80	308.98~∞
8	5.88~6.13	7.77~8.25	11.45~12.61	18.46~21.84	41.05~64.02	69.35~179.78	90.04~452.56	218.43~∞
11	5.83~6.18	7.68~8.34	11.26~12.85	17.94~22.62	38.47~71.56	62.21~256.81	78.33~873.15	159.93~∞
16	5.76~6.26	7.55~8.51	10.95~13.28	17.14~24.05	34.83~89.09	53.12~902.69	64.39~∞	110.63~∞
22	5.68~6.37	7.39~8.72	10.61~13.83	16.27~26.04	31.29~126.31	45.22~∞	53.09~∞	80.82~∞

OLYMPUS

OMIF · 0178T

ZUIKO 135mm F3.5



Characteristics

- One of the most popular lenses for telephoto effects.
- It has a deluxe optical construction of 5 elements to ensure superb definition.
- It is even more compact than the 135mm F2.8 lens.

Applications

- Portraits
- Scenery
- Indoor sports, stage plays

Notes • Related Units

- For hand-held photography, a shutter speed of 1/125 sec. or faster is recommended. Also, to prevent camera shake:
  When using a tripod, hold the camera steady with both hands and press the shutter release with the ball of finger, not with the cable release.
- Compatible focusing screens: 1-1～1-6, 1-10, 1-13 (p. 201)

Specifications

Angle of view	Optical construction Element-Group	Diaphragm	F/stop range	Min. focus (ft.)	Min. photographic range (in.)	Focusing	Weight (oz.)	Length (in.)	Max. diameter (in.)	Hood	Filter
18°	5-4	Auto.	3.5-22	1.5m (4.9)	32×21cm (12.6×8.3)	Straight helicoid	290g (10.2)	73mm (2.9)	60mm (2.4)	Built-in	49mm Screw-in

OM ZUIKO 135 mm F3.5

● Zuiko Lens
4 groups 5 elements
Angle of view: 18°

● Lens Hood:
Built in, retractable.

● Aperture Ring
Intermediate values between numbers on the dial can be used for fine exposure adjustments. All OM System interchangeable lenses feature automatic diaphragms, except shift and a few macro lenses.

● Focusing Ring
Focusing is fast and precise aided by the sleeve of textured, non-slip rubber fitted to the ring.

● Lens Release Button
Bayonet type interchangeable lenses are quickly removed by pressing this button and turning 70°counterclockwise. During mounting (after aligning red dots), the button should not be pressed.

● Automatic Diaphragm Lever
This lever closes down the lens diaphragm to the preselected aperture at the moment the shutter is released.



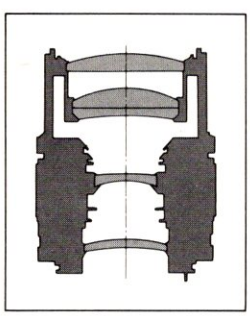
Actual size

● Front Mount Ring
Filter size: 49mm ϕ

● Infrared Index Mark
A reference dot to adjust camera-to-subject distance when using infrared films. The normally determined distance reading should be aligned with this mark.

● Depth of Field Preview Button
Pressing this button closes down the lens diaphragm to the preselected aperture for viewing depth of field.

● Meter Coupling Lever
This lever transmits selected apertures to the exposure meter.



Depth of Field Table

Figures with ※ are engraved on the distance scale

Distance scale		Camera-to-subject distance (meters) Circle of least confusion 1/30mm.								
		※1.5	※2	※3	※5	※7	※10	※30	50	※∞
F-stop	3.5	1.49~1.51	1.98~2.02	2.95~3.05	4.86~5.15	6.72~7.30	9.43~10.65	25.26~36.94	38.04~73.00	155.18~∞
	4	1.49~1.51	1.98~2.02	2.95~3.06	4.84~5.17	6.68~7.35	9.35~10.75	24.70~38.21	36.78~78.14	136.07~∞
	5.6	1.48~1.52	1.97~2.03	2.92~3.08	4.78~5.24	6.56~7.50	9.12~11.08	23.08~42.91	33.27~100.89	97.61~∞
	8	1.48~1.52	1.96~2.05	2.89~3.12	4.69~5.36	6.39~7.74	8.73~11.62	21.00~52.64	29.10~179.23	68.57~∞
	11	1.47~1.53	1.94~2.06	2.85~3.16	4.58~5.50	6.19~8.06	8.40~12.37	18.39~73.51	25.17~∞	50.00~∞
	16	1.46~1.55	1.91~2.10	2.79~3.24	4.42~5.77	5.88~8.66	7.83~13.87	16.18~217.50	20.55~∞	34.48~∞
	22	1.44~1.57	1.88~2.13	2.72~3.34	4.23~6.12	5.55~9.51	7.25~16.24	13.80~∞	16.85~∞	25.14~∞

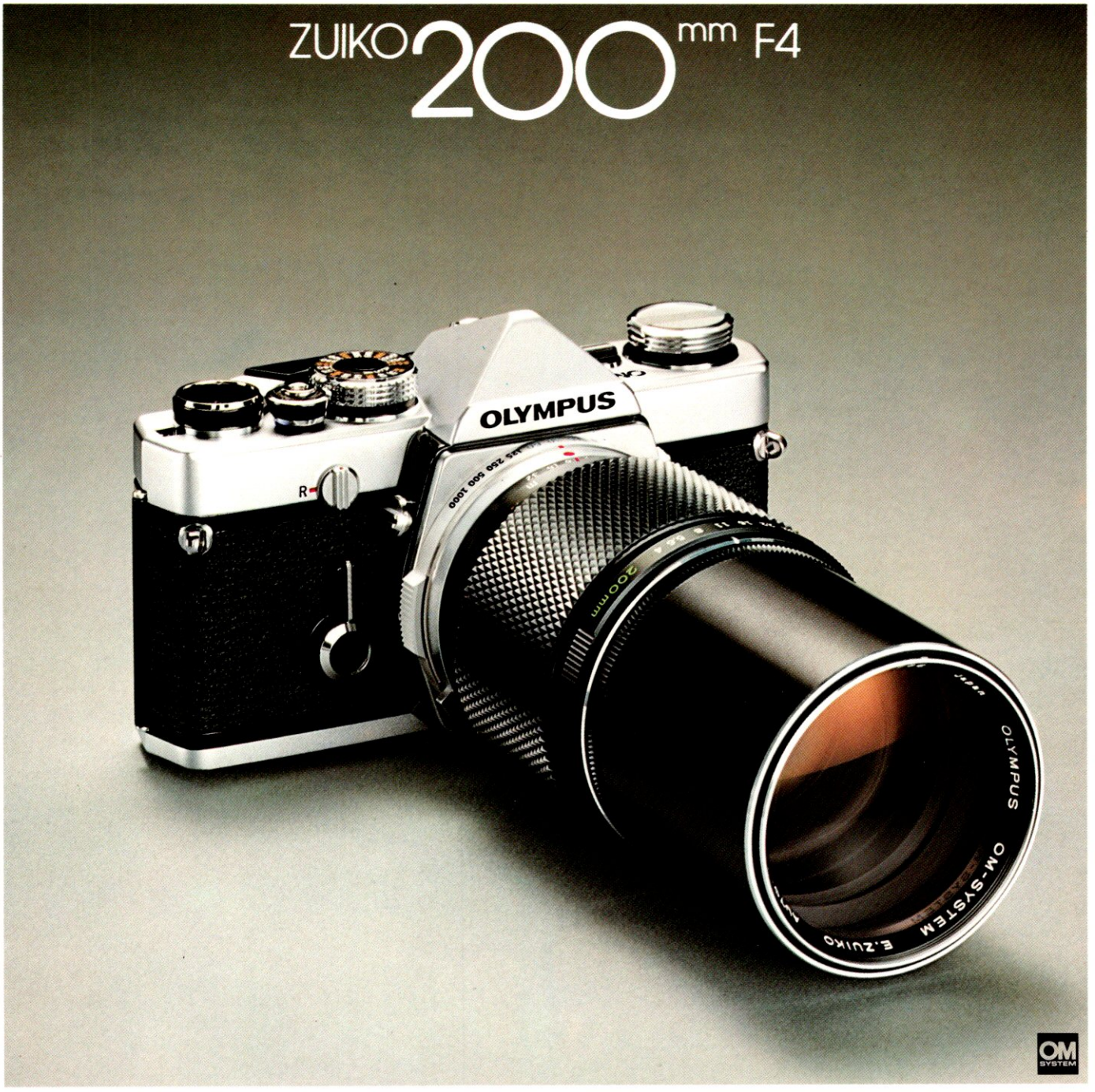
Depth of Field Table

Figures with ※ are engraved on the distance scale

Distance scale		Camera-to-subject distance (feet) Circle of least confusion 1/760in.							
		※6	※8	※12	※20	※50	100	150	※∞
F-stop	3.5	5.95~6.05	7.90~8.10	11.76~12.25	19.31~20.75	45.71~55.19	83.99~123.6	116.52~210.63	491.78~∞
	4	5.94~6.06	7.89~8.12	11.73~12.29	19.21~20.86	45.15~56.03	82.11~127.93	112.93~223.55	433.63~∞
	5.6	5.92~6.09	7.84~8.17	11.62~12.41	18.91~21.22	43.47~58.87	76.64~144.04	102.78~278.20	313.31~∞
	8	5.88~6.12	7.77~8.24	11.47~12.59	18.48~21.80	41.17~63.73	69.68~177.64	90.58~439.56	221.54~∞
	11	5.84~6.17	7.69~8.33	11.28~12.83	17.97~22.56	38.62~71.06	62.58~250.92	78.90~∞	162.23~∞
	16	5.77~6.25	7.56~8.50	10.98~13.24	17.19~23.95	35.01~87.98	53.52~∞	64.96~∞	112.25~∞
	22	5.69~6.35	7.41~8.70	10.64~13.78	16.33~25.89	31.50~123.32	45.62~∞	53.63~∞	82.02~∞

OLYMPUS

ZUIKO 200 mm F4



Characteristics

- This relatively fast and very compact 200 mm lens is ideal for hand-held telephotography.
- Aberration compensation is well balanced, giving excellent resolution from corner to corner.

Applications

- Indoor sports
- Scenery
- Stage plays

Notes · Related Units

- For hand-held photography, a shutter speed of 1/ 250 sec. or faster is recommended. Also, to prevent camera shake:
  When using a tripod, hold the camera steady with both hands and press the shutter release with the ball of finger, not with the cable release.
- Compatible focusing screens: 1-1～1-4, 1-6, 1-7, 1-10, 1-13 (p. 201)

Specifications

Angle of view	Optical construction Element-Group	Diaphragm	F/stop range	Min. focus (ft.)	Min. photographic range (in.)	Focusing	Weight (oz.)	Length (in.)	Max. diameter (in.)	Hood	Filter
12°	5-4	Auto.	4-32	2.5m (8.2)	36×24cm (14.4×9.4)	Straight helicoid	510g (18.0)	127mm (5)	67mm (2.6)	Built-in	55mm Screw-in

OM SYSTEM ZUIKO 200mm F4

● Zuiko Lens
4 groups 5 elements
Angle of view: 12°

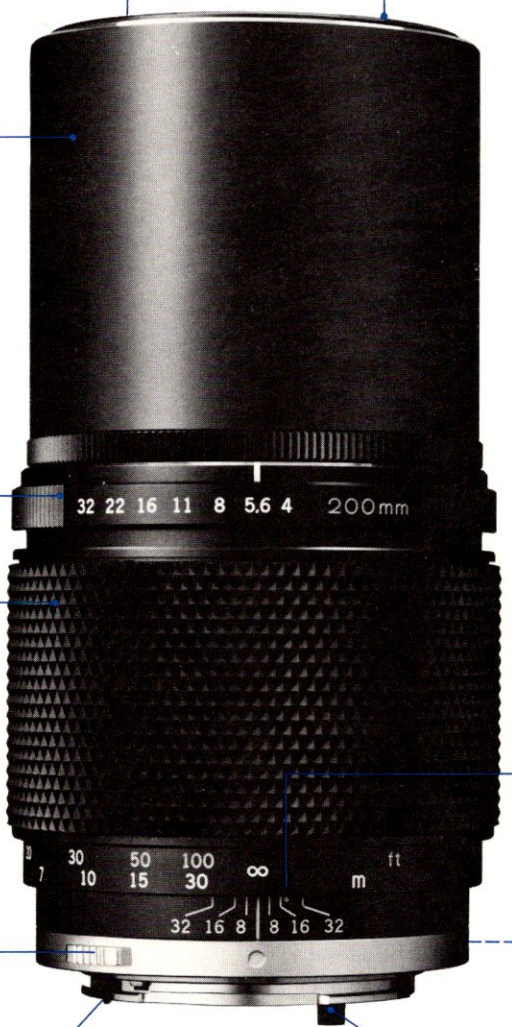
● Lens Hood
Built in, retractable.

● Aperture Ring
Intermediate values between numbers on the dial can be used for fine exposure adjustments. All OM System interchangeable lenses feature automatic diaphragms, except shift and a few macros.

● Focusing Ring
Focusing is fast and precise aided by the sleeve of textured, non-slip rubber fitted to the ring.

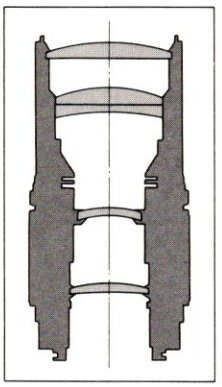
● Lens Release Button
Bayonet type interchangeable lenses are quickly removed by pressing this button and turning 70° counterclockwise. During mounting (after aligning red dots), the button should not be pressed.

● Automatic Diaphragm Lever
This lever closes down the lens diaphragm to the preselected aperture at the moment the shutter is released.



Actual size

● Front Mount Ring
Filter size: 55mm ϕ



● Infrared Index Mark
A reference dot to adjust camera-to-subject distance when using infrared films. The normally determined distance reading should be aligned with this mark.

● Depth of Field Preview Button
Pressing this button closes down the lens diaphragm to the preselected aperture for viewing depth of field.

● Meter Coupling Lever
This lever transmits selected apertures to the exposure meter.

Depth of Field Table

Figures with ※ are engraved on the distance scale

Distance scale		Camera-to-subject distance (meters) Circle of least confusion 1/30mm.									
		※2.5	※3	※4	※5	※7	※10	※15	※30	50	※∞
F-stop	4	2.48~2.52	2.98~3.02	3.96~4.05	4.93~5.07	6.85~7.15	9.70~10.32	14.32~15.75	27.33~33.25	43.01~59.73	291.83~∞
	5.6	2.48~2.52	2.97~3.03	3.94~4.06	4.90~5.10	6.80~7.21	9.58~10.46	14.06~16.08	26.39~34.76	40.73~64.77	210.26~∞
	8	2.47~2.53	2.95~3.05	3.91~4.09	4.86~5.15	6.72~7.31	9.41~10.67	13.69~16.59	25.10~37.31	37.74~74.17	148.18~∞
	11	2.46~2.54	2.94~3.07	3.88~4.13	4.81~5.21	6.62~7.43	9.21~10.94	13.26~17.28	23.65~41.06	34.56~90.64	008.26~∞
	16	2.44~2.56	2.91~3.10	3.83~4.19	4.73~5.31	6.45~7.65	8.89~11.43	12.60~18.56	21.58~49.36	30.32~143.99	74.75~∞
	22	2.42~2.59	2.88~3.14	3.77~4.26	4.63~5.44	6.27~7.93	8.54~12.04	11.88~20.39	19.53~65.21	26.43~492.51	54.53~∞
	32	2.38~2.63	2.82~3.20	3.67~4.40	4.48~5.66	5.99~8.44	8.01~13.35	10.87~24.39	16.87~140.68	21.79~∞	37.62~∞

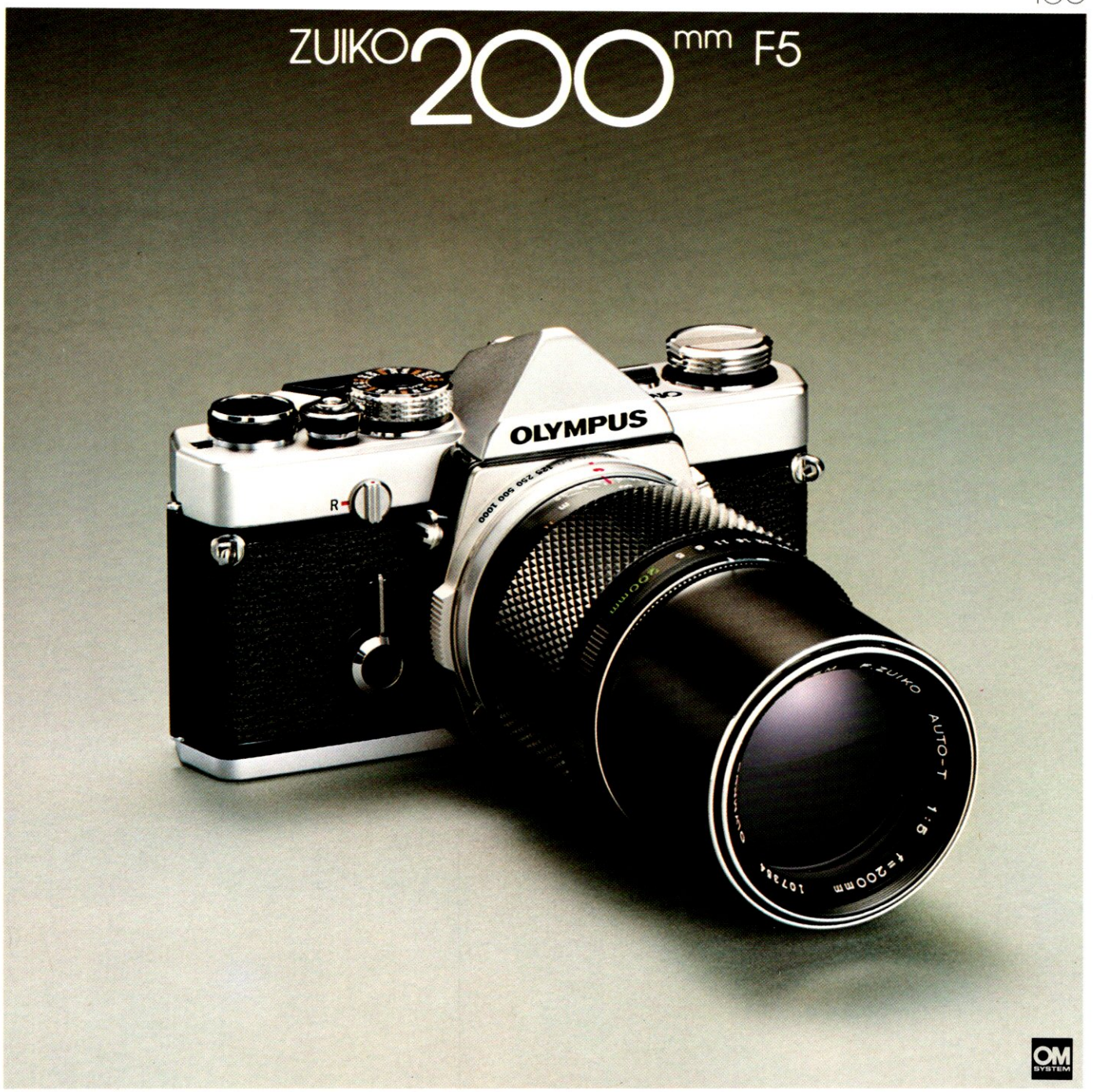
Depth of Field Table

Figures with ※ are engraved on the distance scale

Distance scale		Camera-to-subject distance (feet) Circle of least confusion 1/760in.									
		※10	※12	※15	※20	※30	※50	70	※100	150	※∞
F-stop	4	9.92~10.08	11.88~12.12	14.81~15.20	19.64~20.37	29.17~30.88	47.68~52.56	65.53~75.13	90.97~111.04	130.60~176.21	897.84~∞
	5.6	9.89~10.11	11.83~12.17	14.73~15.28	19.50~20.52	28.86~31.24	46.82~53.66	63.90~77.40	87.80~116.18	124.19~189.46	685.38~∞
	8	9.84~10.16	11.76~12.25	14.62~15.40	19.30~20.76	28.39~31.81	45.57~55.40	61.60~81.08	83.44~124.85	115.67~213.57	470.34~∞
	16	9.78~10.23	11.68~12.34	14.48~15.56	19.05~21.06	27.83~32.54	44.11~57.74	58.96~86.21	78.57~137.71	106.54~254.02	346.69~∞
	12	9.69~10.33	11.54~12.50	14.25~15.83	18.65~21.57	26.95~33.85	41.88~62.12	55.02~96.39	71.61~166.29	94.17~371.42	241.17~∞
	22	9.58~10.46	11.37~12.71	14.00~16.17	18.19~22.23	25.97~35.57	39.48~68.36	50.95~112.33	64.75~221.60	82.68~835.96	176.74~∞
	32	9.40~10.69	11.11~13.06	13.58~16.77	17.47~23.43	24.48~38.86	36.05~82.15	45.37~155.24	55.85~498.97	68.74~∞	122.40~∞

OLYMPUS

ZUIKO 200mm F5



Characteristics

- Despite its focal length of 200mm, it is amazingly short — a mere 105mm — with a filter size as small as 49mm.
- It features a deluxe construction of 6 elements which successfully corrects aberrations to ensure high resolution over the whole picture.
- The extremely compact form and automatic diaphragm make it ideal for hand-held telephotography.

Applications

- Snapshots
- Sports events
- Animal studies
- Scenery

Notes • Related Units

- For hand-held photography, a shutter speed of 1/250 sec. or faster is recommended. Also, to prevent camera shake:
  When using a tripod, hold the camera steady with both hands and press the shutter release with the ball of finger, not with the cable release.
- Compatible focusing screens: 1-1～1-4, 1-6, 1-10, 1-13 (p.201)

Specifications

Angle of view	Optical construction Element-Group	Diaphragm	F/stop range	Min. focus (ft.)	Min. photographic range (in.)	Focusing	Weight (oz.)	Length (in.)	Max. diameter (in.)	Hood	Filter
12°	6-5	Auto.	5-32	2.5m (8.2)	36×24cm (14.2×9.4)	Straight helicoid	380g (13.4)	105mm (4.1)	62mm (2.4)	Built-in	49mm Screw-in

OM ZUIKO 200mm F5

● **Zuiko Lens**
5 groups 6 elements
Angle of view: 12°

● **Lens Hood**
Built in, retractable.

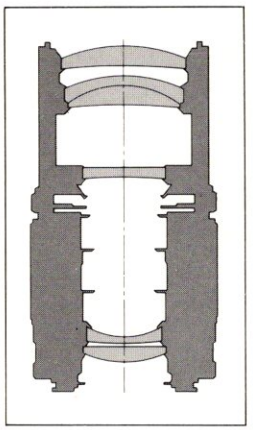
● **Aperture Ring**
Intermediate values between numbers on the dial can be used for fine exposure adjustments. All OM System interchangeable lenses feature automatic diaphragms, except shift and a few macro lenses.

● **Focusing Ring**
Focusing is fast and precise aided by the sleeve of textured, non-slip rubber fitted to the ring.

● **Lens Release Button**
Bayonet type interchangeable lenses are quickly removed by pressing this button and turning 70°counterclockwise. During mounting(after aligning red dots), the button should not be pressed.

● **Automatic Diaphragm Lever**
This lever closes down the lens diaphragm to the preselected aperture at the moment the shutter is released.

● **Front Mount Ring**
Filter size: 49mmϕ



● **Infrared Index Mark**
A reference dot to adjust camera-to-subject distance when using infrared films. The normally determined distance reading should be aligned with this mark.

● **Depth of Field Preview Button**
Pressing this button closes down the lens diaphragm to the preselected aperture for viewing depth of field.

● **Meter Coupling Lever**
This lever transmits selected apertures to the exposure meter.



Actual size

Depth of Field Table

Figures with ※ are engraved on the distance scale

Distance scale		Camera-to-subject distance (meters) Circle of least confusion 1/30mm									
		※2.5	※3	※4	※5	※7	※10	※15	※30	50	※∞
F-stop	5	2.48~2.52	2.97~3.03	3.95~4.05	4.91~5.09	6.82~7.19	9.63~10.40	14.16~15.95	26.75~34.16	41.51~62.90	234.92~∞
	5.6	2.48~2.52	2.97~3.03	3.94~4.06	4.90~5.10	6.80~7.21	9.59~10.45	14.07~16.07	26.41~34.74	40.68~64.92	210.31~∞
	8	2.47~2.53	2.96~3.05	3.92~4.09	4.86~5.15	6.72~7.30	9.42~10.66	13.70~16.57	25.12~37.27	37.67~74.46	148.24~∞
	11	2.46~2.54	2.94~3.06	3.89~4.12	4.81~5.20	6.62~7.42	9.22~10.93	13.27~17.25	23.68~41.00	34.49~91.23	108.32~∞
	16	2.44~2.56	2.91~3.09	3.84~4.19	4.73~5.30	6.47~7.64	8.91~11.41	12.62~18.53	21.62~49.25	30.24~146.27	74.81~∞
	22	2.42~2.58	2.88~3.13	3.78~4.25	4.64~5.42	6.29~7.91	8.56~12.05	11.91~20.33	19.57~64.95	26.36~533.44	54.60~∞
	32	2.39~2.62	2.83~3.19	3.68~4.38	4.50~5.64	6.01~8.41	8.04~13.29	10.90~24.27	16.92~139.25	21.72~∞	37.69~∞

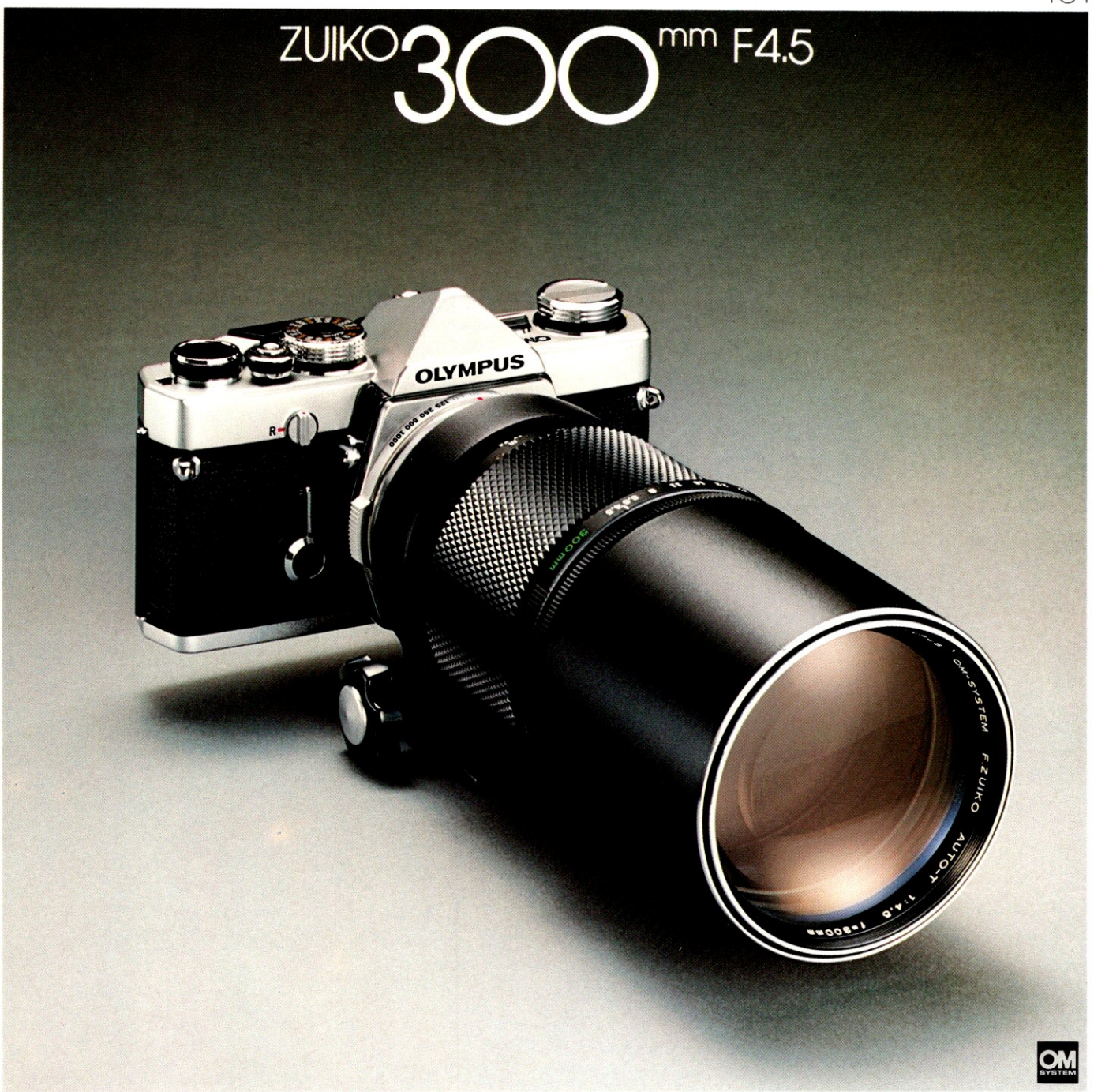
Depth of Field Table

Figures with ※ are engraved on the distance scale

Distance scale		Camera-to-subject distance (feet) Circle of least confusion 1/760in.							
		※10	※12	※15	※20	※30	※50	※100	※∞
F-stop	5	9.91~10.10	11.86~12.15	14.77~15.24	19.57~20.45	28.99~31.09	47.16~53.21	89.01~114.13	731.69~∞
	5.6	9.89~10.11	11.84~12.16	14.74~15.27	19.52~20.51	28.87~31.22	46.84~53.62	87.55~116.10	658.54~∞
	8	9.85~10.15	11.77~12.24	14.63~15.39	19.32~20.74	28.42~31.78	45.61~55.34	83.51~124.72	470.52~∞
	11	9.80~10.21	11.69~12.33	14.50~15.54	19.07~21.03	27.87~32.50	44.16~57.66	78.66~137.51	346.89~∞
	16	9.71~10.31	11.56~12.48	14.28~15.80	18.68~21.53	27.00~33.78	41.95~62.00	71.72~165.89	241.38~∞
	22	9.60~10.44	11.40~12.68	14.03~16.13	18.23~22.18	26.03~35.47	39.57~68.16	64.88~200.72	176.96~∞
	32	9.43~10.65	11.15~13.01	13.63~16.71	17.53~23.34	24.56~38.70	36.16~81.76	56.01~493.62	122.62~∞

OLYMPUS

ZUIKO 300mm F4.5



Characteristics

- It is the smallest and lightest lens in this length permitting comfortable hand-held telephotography.
- The tripod mount ring is removable for convenience in hand-held photography.

Applications

- Action photography, sports events
- Wild life
- Mountains, scenery

Notes • Related Units

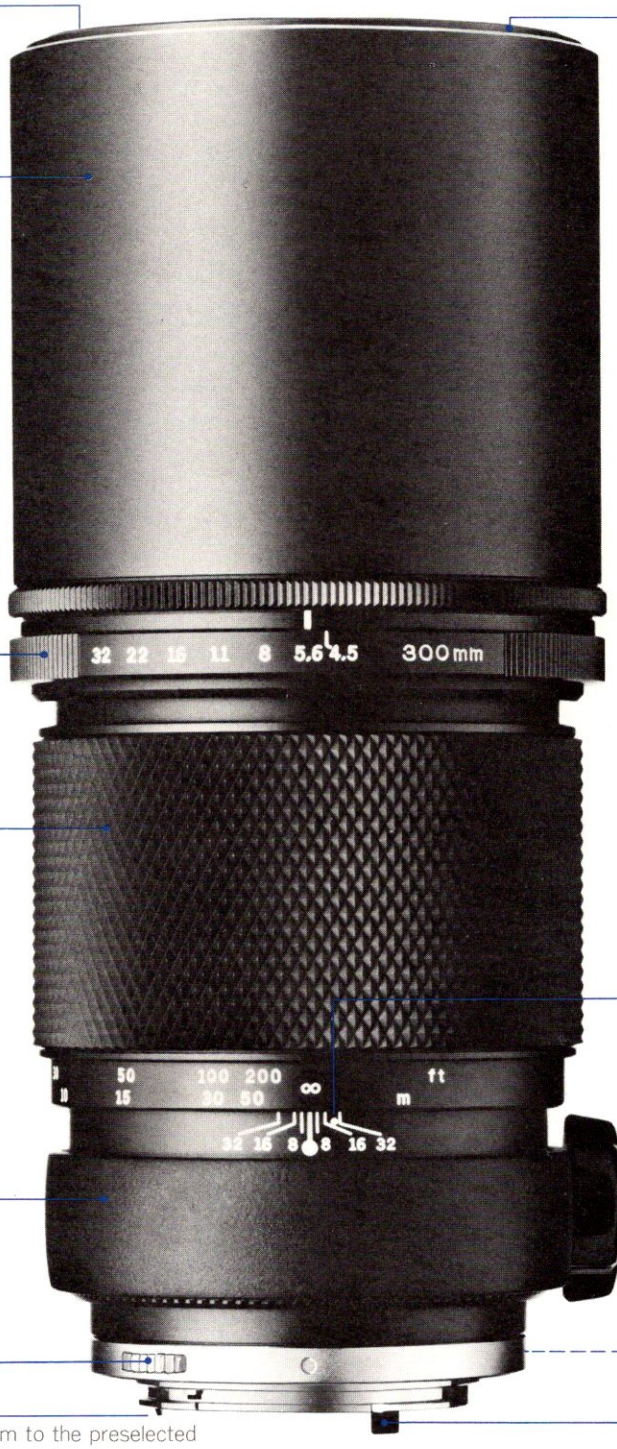
- For handheld photography, a shutter speed of 1/500 sec. or faster is recommended. Also, to prevent camera shake:
  When using a tripod, hold the camera steady with both hands and press the shutter release with the ball of finger, not with the cable release.
- Compatible focusing screens: 1-1～1-4, 1-6～1-8, 1-10, 1-13 (p. 201)

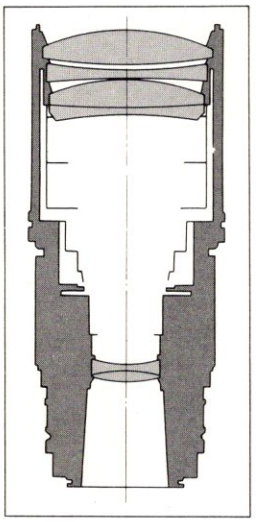
Specifications

Angle of view	Optical construction Element-Group	Diaphragm	F/stop range	Min. focus (ft.)	Min. photographic range (in.)	Focusing	Weight (oz.)	Length (in.)	Max. diameter (in.)	Hood	Filter
8°	6-4	Auto.	4.5-32	3.5m (11.5)	33×22cm (13×8.7)	Straight helicoid	1100g (38.8)	181mm (7.1)	80mm (3.1)	Built-in	72mm Screw-in

OM SYSTEM ZUIKO 300mm F4.5

Actual size





● Zuiko Lens
4 groups 6 elements
Angle of view: 8°

● Front Mount Ring
Filter size: 72mm

● Lens Hood
Built in, retractable.

● Aperture Ring
Intermediate values between numbers on the dial can be used for fine exposure adjustments. All OM System interchangeable lenses feature automatic diaphragms, except shift and a few macro lenses.

● Focusing Ring
Focusing is fast and precise aided by the sleeve of textured, non-slip rubber fitted to the ring.

● Tripod Mounting Ring
360°rotatable allowing free camera position. Removable.

● Infrared Index Mark
A reference dot to adjust camera-to-subject distance when using infrared films. The normally determined distance reading should be aligned with this mark.

● Lens Release Button
Bayonet type interchangeable lenses are quickly detached by pressing this button and turning the camera 70°clockwise. During mounting(after aligning red dots), the button should not be pressed.

● Depth of Field Preview Button
Pressing this button closes down the lens diaphragm to the preselected aperture for viewing depth of field.

● Automatic Diaphragm Lever
This lever closes down the lens diaphragm to the preselected aperture at the moment the shutter is released.

● Meter Coupling Lever
This lever transmits selected apertures to the exposure meter.

Depth of Field Table

Figures with ※ are engraved on the distance scale

Distance scale		Camera-to-subject distance (meters) Circle of least confusion 1/30mm.									
		※3.5	※4	※5	※7	※10	※15	※30	※50	※100	※∞
F-stop	4.5	3.49~ 3.51	3.98~ 4.02	4.97~ 5.03	6.93~ 7.07	9.86~ 10.15	14.67~ 15.35	28.65~ 31.49	46.29~ 54.36	86.04~ 119.40	573.62~ ∞
	5.6	3.48~ 3.52	3.98~ 4.02	4.96~ 5.04	6.92~ 7.08	9.82~ 10.18	14.59~ 15.43	28.34~ 31.88	45.47~ 55.54	83.21~ 125.35	466.29~ ∞
	8	3.48~ 3.52	3.97~ 4.03	4.95~ 5.06	6.88~ 7.12	9.75~ 10.26	14.42~ 15.63	27.68~ 32.75	43.77~ 58.32	77.63~ 140.66	331.17~ ∞
	11	3.47~ 3.53	3.96~ 4.04	4.93~ 5.08	6.84~ 7.17	9.66~ 10.36	14.22~ 15.88	26.90~ 33.92	41.82~ 62.21	71.63~ 166.02	243.18~ ∞
	16	3.45~ 3.55	3.94~ 4.07	4.89~ 5.11	6.77~ 7.24	9.52~ 10.54	13.89~ 16.31	25.70~ 36.08	38.94~ 70.00	63.47~ 237.51	168.61~ ∞
	22	3.44~ 3.56	3.91~ 4.09	4.85~ 5.16	6.69~ 7.34	9.35~ 10.76	13.51~ 16.87	24.39~ 39.05	35.97~ 82.41	55.85~ 492.47	123.33~ ∞
	32	3.41~ 3.59	3.88~ 4.13	4.79~ 5.23	6.56~ 7.51	9.08~ 11.14	12.94~ 17.89	22.49~ 45.30	31.92~ 117.11	46.56~ ∞	85.27~ ∞

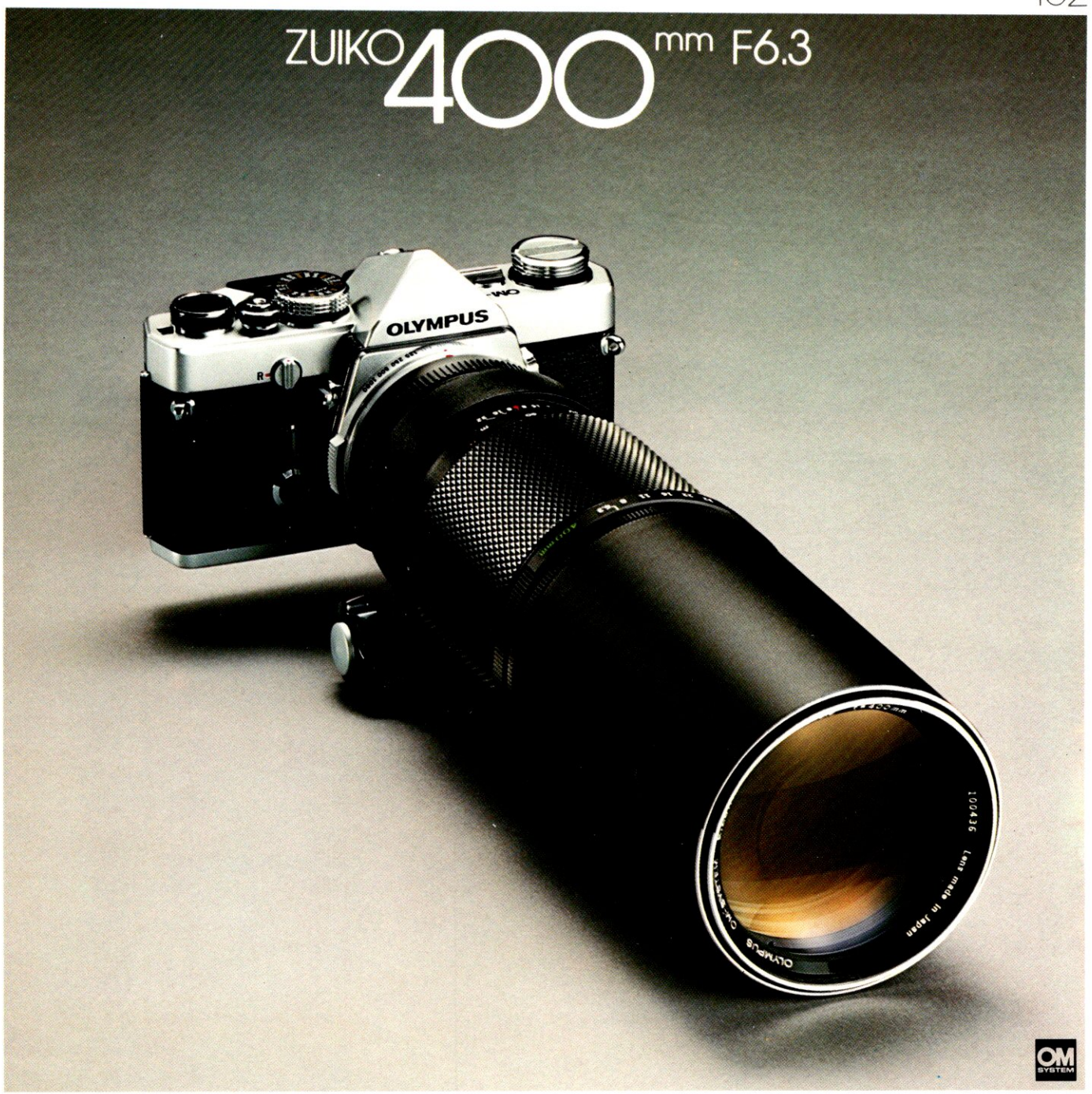
Depth of Field Table

Figures with ※ are engraved on the distance scale

Distance scale		Camera-to-subject distance (feet) Circle of least confusion 1/760in.									
		※12	※15	※20	※30	※50	70	※100	※200	300	※∞
F-stop	4.5	11.95~ 12.05	14.92~ 15.08	19.84~ 20.16	29.62~ 30.39	48.88~ 51.18	67.79~ 72.39	95.42~ 105.05	182.14~ 221.79	261.29~ 352.28	1664.06~ ∞
	5.6	11.94~ 12.06	14.90~ 15.10	19.80~ 20.20	29.53~ 30.49	48.61~ 51.47	67.24~ 73.00	94.37~ 106.36	178.25~ 227.86	253.31~ 367.97	1383.14~ ∞
	8	11.92~ 12.08	14.86~ 15.15	19.72~ 20.29	29.33~ 30.71	48.04~ 52.13	66.13~ 74.37	92.15~ 109.35	170.32~ 242.35	237.49~ 407.60	1010.51~ ∞
	11	11.89~ 12.12	14.80~ 15.20	19.62~ 20.40	29.08~ 30.98	47.35~ 52.98	64.79~ 76.15	89.51~ 113.33	161.36~ 263.29	220.31~ 471.09	756.12~ ∞
	16	11.83~ 12.17	14.72~ 15.30	19.45~ 20.58	28.68~ 31.45	46.24~ 54.46	62.67~ 79.33	85.45~ 120.66	148.37~ 307.68	196.63~ 636.59	532.87~ ∞
	22	11.77~ 12.24	14.61~ 15.41	19.26~ 20.81	28.22~ 32.03	44.97~ 56.35	60.31~ 83.52	81.05~ 130.84	135.32~ 385.91	174.21~ 1102.16	393.67~ ∞
	32	11.67~ 12.35	14.44~ 15.61	18.94~ 21.20	27.49~ 33.06	43.02~ 59.82	56.76~ 91.61	74.65~ 152.31	118.07~ 671.09	146.46~ ∞	274.50~ ∞

OLYMPUS

ZUIKO 400mm F6.3



Characteristics

- Incomparably compact for a 400mm, making hand-held super-telephotography possible.
- Incorporation of direct helicoid drive contributes to quick focusing.
- The tripod mount ring is removable for convenience in hand-held photography.

Applications

- Action photography, sports events
- Photojournalism
- Scenery

Notes • Related Units

- For handheld photography, a shutter speed of 1 / 500 sec. or faster is recommended. Also, to prevent camera shake:
  When using a tripod, hold the camera steady with both hands and press the shutter release with the ball of finger, not with the cable release.
- Compatible focusing screens: 1-1～1-4, 1-6～1-8, 1-10, 1-13 (p. 201)

Specifications

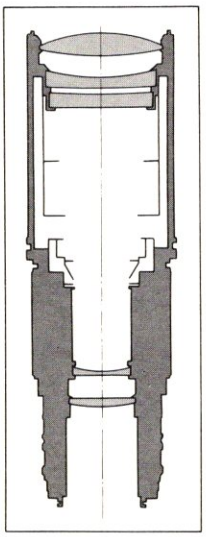
Angle of view	Optical construction Element-Group	Diaphragm	F/stop range	Min. focus (ft.)	Min. photographic range (in.)	Focusing	Weight (oz.)	Length (in.)	Max. diameter (in.)	Hood	Filter
6°	5-5	Auto.	6.3-32	5m (16.4)	36×24cm (14.2×9.4)	Straight helicoid	1300g (46.0)	255mm (10)	80mm (3.2)	Built-in	72mm Screw-in

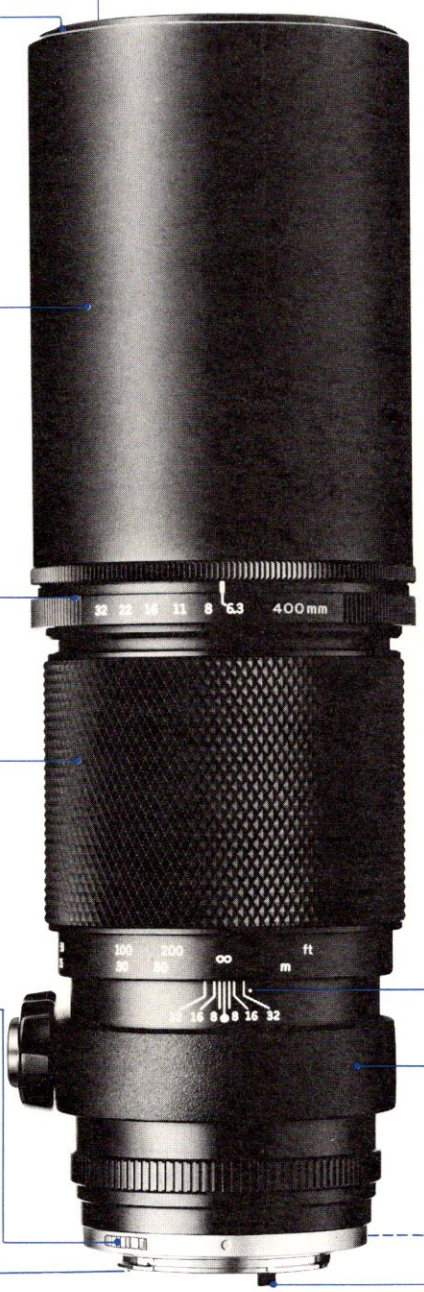
OM SYSTEM ZUIKO 400mm F6.3

● **Zuiko Lens**
5 groups 5 elements
Angle of view: 6°

● **Front Mount Ring**
Filter size: 72mmϕ

● **Lens Hood**
Built in, retractable.





● **Aperture Ring**
Intermediate values between numbers on the dial can be used for fine exposure adjustments. All OM System interchangeable lenses feature automatic diaphragms, except shift and a few macro lenses.

● **Focusing Ring**
Focusing is fast and precise aided by the sleeve of textured, non-slip rubber fitted to the ring.

● **Lens Release Button**
Bayonet type interchangeable lenses are quickly detached by pressing this button and turning the camera 70° clockwise.
During mounting(after aligning red dots). the button should not be pressed.

● **Automatic Diaphragm Lever**
This lever closes down the lens diaphagm to the preselected aperture at the moment the shutter is released.

● **Infrared Index Mark**
A reference dot to adjust camera-to-subject distance when using infrared films. The normally determined distance reading should be aligned with this mark.

● **Tripod Mount Ring**
360°rotatable allowing tree camera position. Removable.

● **Depth of Field Preview Button**
Pressing this button closes down the lens diaphragm to the preselected aperture for viewing depth of field.

● **Meter Coupling Lever**
This lever transmits selected apertures to the exposure meter.

Depth of Field Table

Figures with ※ are engraved on the distance scale

Distance scale		Camera-to-subject distance (meters) Circle of least confusion 1/30mm.									
		※5	※6	※7	※8	※10	※15	※30	※50	100	※∞
F-stop	6.3	4.98~ 5.02	5.97~ 6.04	6.95~ 7.05	7.93~ 8.07	9.89~ 10.11	14.74~ 15.27	28.93~ 31.16	47.03~ 53.38	88.62~ 114.75	712.54~ ∞
	8	4.97~ 5.03	5.96~ 6.05	6.94~ 7.06	7.91~ 8.09	9.86~ 10.14	14.67~ 15.34	28.65~ 31.49	46.29~ 54.37	85.98~ 119.52	569.86~ ∞
	11	4.96~ 5.04	5.94~ 6.06	6.91~ 7.09	7.88~ 8.12	9.81~ 10.20	14.55~ 15.48	28.17~ 32.08	45.03~ 56.22	81.70~ 128.97	421.12~ ∞
	16	4.94~ 5.06	5.91~ 6.09	6.88~ 7.13	7.83~ 8.18	9.73~ 10.29	14.36~ 15.70	27.42~ 33.13	43.09~ 59.59	75.43~ 148.57	293.55~ ∞
	22	4.92~ 5.08	5.88~ 6.13	6.83~ 7.18	7.77~ 8.24	9.63~ 10.40	14.13~ 15.98	26.56~ 34.49	40.97~ 64.22	69.08~ 181.75	215.36~ ∞
	32	4.89~ 5.12	5.83~ 6.18	6.76~ 7.27	7.67~ 8.36	9.47~ 10.60	13.77~ 16.48	25.25~ 37.01	37.88~ 73.80	60.60~ 289.87	149.23~ ∞

Depth of Field Table

Figures with ※ are engraved on the distance scale

Distance scale		Camera-to-subject distance (feet) Circle of least confusion 1/760in.									
		※17	※20	※25	※30	※50	70	※100	※200	300	※∞
F-stop	6.3	16.92~ 17.08	19.88~ 20.12	24.80~ 25.20	29.70~ 30.30	49.12~ 50.91	68.24~ 71.86	96.36~ 103.93	185.62~ 216.83	268.52~ 339.90	2011.49~ ∞
	8	16.90~ 17.10	19.85~ 20.15	24.75~ 25.26	29.63~ 30.38	48.89~ 51.16	67.78~ 72.38	95.43~ 105.05	182.09~ 221.87	261.14~ 352.57	1655.06~ ∞
	11	16.86~ 17.14	19.79~ 20.21	24.66~ 25.35	29.49~ 30.53	48.49~ 51.62	66.98~ 73.31	93.82~ 107.07	176.18~ 231.37	249.05~ 377.40	1260.97~ ∞
	16	16.80~ 17.21	19.70~ 20.31	24.50~ 25.52	29.26~ 30.78	47.83~ 52.39	65.69~ 74.98	91.26~ 110.64	167.14~ 249.16	231.23~ 427.64	902.95~ ∞
	22	16.72~ 17.29	19.59~ 20.43	24.32~ 25.72	28.99~ 31.08	47.06~ 53.34	64.22~ 76.97	88.37~ 115.25	157.47~ 274.53	212.97~ 509.08	673.71~ ∞
	32	16.60~ 17.43	19.41~ 20.63	24.03~ 26.06	28.56~ 31.60	45.85~ 55.02	61.90~ 80.63	83.95~ 123.86	143.63~ 330.77	188.25~ 746.39	473.66~ ∞

OLYMPUS

ZUIKO 600mm F6.5



Characteristics

- Unusually compact for a 600mm lens with a total length of 377mm (14.8").
- The 4° angle of view gives striking telephoto effects.
- The tripod mount ring is rotatable allowing easy operation for horizontal and vertical camera positioning.

Applications

- Sports events
- Wild life
- Photojournalism, scenery

Notes · Related Units

- When using a tripod, hold the camera steady with both hands and press the shutter release with the ball of finger, not with the cable release.
- Compatible focusing screens: 1-1～1-4, 1-7, 1-8, 1-10, 1-13 (p. 201)

Specifications

Angle of view	Optical construction Element-Group	Diaphragm	F/stop range	Min. focus (ft.)	Min. photographic range (in.)	Focusing	Weight (oz.)	Length (in.)	Max. diameter (in.)	Hood	Filter
4°	6-4	Auto.	6.5-32	11m (36.1)	55×37cm (21.7×14.6)	Rack and pinion	2800g (98.8)	377mm (14.8)	110mm (4.3)	Built-in	100mm Screw-in

OM ZUIKO 600mm F6.5

● **Zuiko Lens**
4 groups 6 elements
Angle of view: 4°

● **Front Mount Ring**
Filter size: 100mmϕ

● **Lens Hood**
Built in, retractable.

● **Tripod Mount Ring**
Rotatable, not removable.

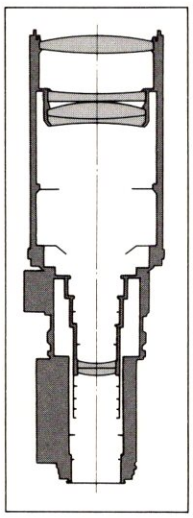
● **Aperture Ring**
Intermediate values between numbers on the dial can be used for fine exposure adjustments. All OM System interchangeable lenses feature automatic diaphragms, except shift and a few macro lenses.

● **Infrared Index Mark**
A reference dot to adjust camera-to-subject distance when using infrared films. The normally determined distance reading should be aligned with this mark.

● **Lens Release Button**
Bayonet type interchangeable lenses are quickly detached by pressing this button and turning the camera 70° clockwise. During mounting (after aligning red dots) the button should not be pressed.

● **Automatic Diaphragm Lever**
This lever closes down the lens diaphragm to the preselected aperture at the moment the shutter is released.





● **Focusing Knobs**
Rack-and-pinion drive system ensures comfortable focusing despite long extension/contraction lens movement inherent in super telephoto. Tightness in the movement can be adjusted by means of the knobs.

● **Depth of Field Preview Button**
Pressing this button closes down the lens diaphragm to the preselected aperture for viewing depth of field.

● **Meter Coupling Lever**
This lever transmits selected apertures to the exposure meter.

Depth of Field Table

Figures with ※ are engraved on the distance scale

F-stop	Distance scale	Camera-to-subject distance (meters) Circle of least confusion 1/30mm.								
		※11	※12	※15	※20	※30	※50	※100	300	※∞
F-stop	6.5	11.0~11.1	11.9~12.1	14.9~15.1	19.8~20.2	29.5~30.5	48.6~51.5	94.5~106	255~365	1430~∞
	8	10.9~11.1	11.9~12.1	14.9~15.1	19.8~20.3	29.4~30.6	48.3~51.8	93.3~108	246~384	1200~∞
	11	10.9~11.1	11.9~12.1	14.8~15.2	19.7~20.4	29.2~30.9	47.7~52.5	91.1~111	231~429	901~∞
	16	10.9~11.1	11.8~12.2	14.7~15.3	19.5~20.5	28.9~31.3	46.8~53.7	87.5~117	209~534	637~∞
	22	10.8~11.2	11.8~12.2	14.6~15.4	19.3~20.7	28.5~31.7	45.7~55.3	83.6~125	188~755	472~∞
	32	10.7~11.3	11.7~12.3	14.5~15.6	19.1~21.1	27.8~32.6	43.9~58.1	77.8~140	160~2450	330~∞

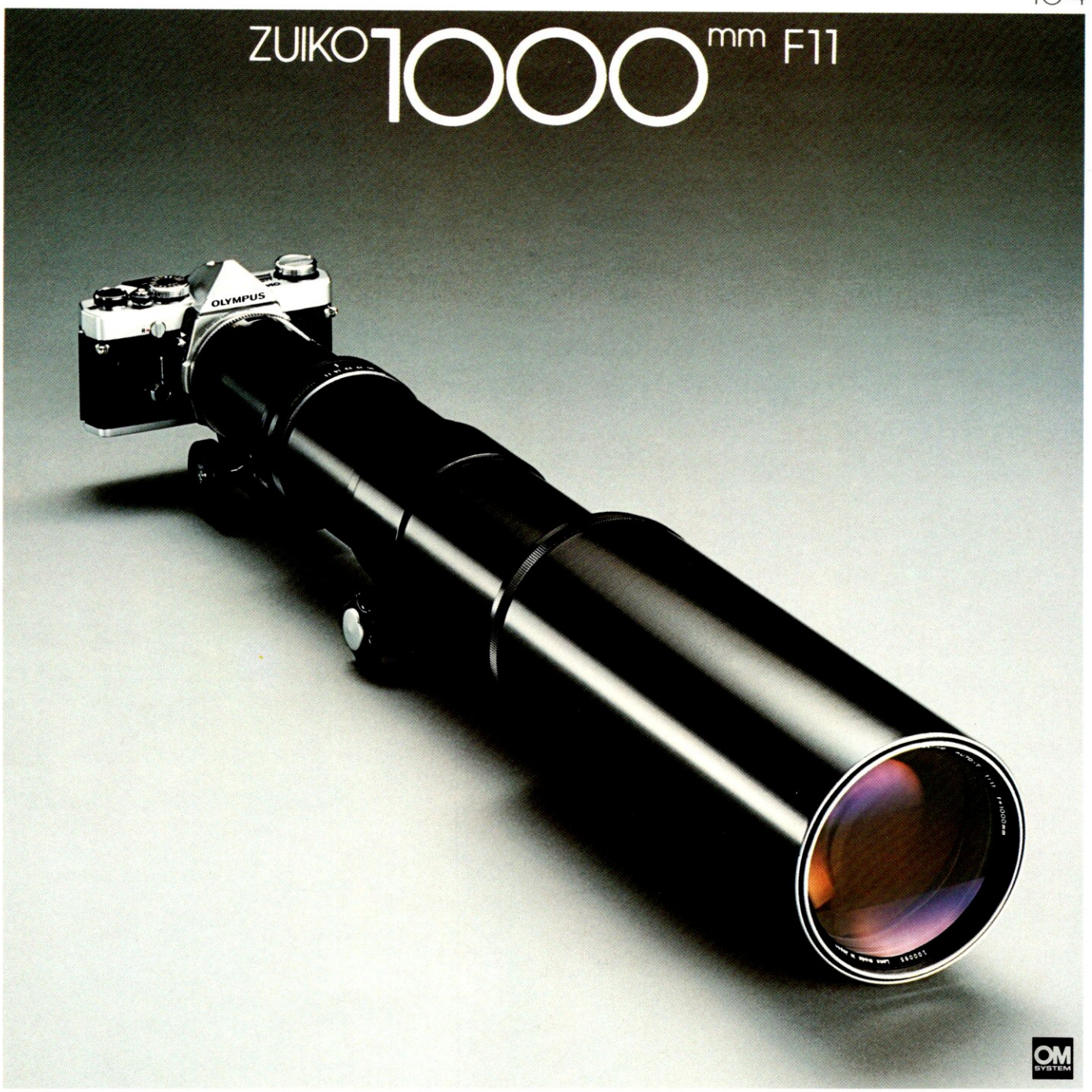
Depth of Field Table

Figures with ※ are engraved on the distance scale

F-stop	Distance scale	Camera-to-subject distance (feet) Circle of least confusion 1/760in.						
		※36	※40	※50	※70	※200	※500	※∞
F-stop	6.5	35.8~36.2	39.8~40.2	49.6~50.4	69.2~70.8	193~207	459~549	3550~∞
	8	35.8~36.2	39.7~40.3	49.6~50.5	69.1~71.0	192~209	451~562	3090~∞
	11	35.7~36.3	39.6~40.4	49.4~50.6	68.7~71.3	189~212	434~589	2450~∞
	16	35.6~36.4	39.5~40.6	49.1~50.9	68.2~72.0	184~219	410~641	1830~∞
	22	35.4~36.6	39.3~40.8	48.8~51.3	67.5~72.7	179~227	384~717	1400~∞
	32	35.2~36.9	38.9~41.1	48.3~51.9	66.4~74.0	171~241	348~895	1010~∞

OLYMPUS

ZUIKO 1000mm F11



Characteristics

- The smallest and lightest of 1000mm super telephoto lenses.
- Automatic diaphragm contributes to comfortable operation.
- The tripod mount ring is rotatable allowing easy operation for horizontal and vertical camera positioning.

Applications

- Celestial bodies, mountains
- Sports events
- Wild life

Notes · Related Units

- When using a tripod, hold the camera steady with both hands and press the shutter release with the ball of finger, not with the cable release.
- Compatible focusing screens: 1-1～1-4, 1-7, 1-8, 1-10, 1-13 (p. 201)

Specifications

Angle of view	Optical construction Element-Group	Diaphragm	F/stop range	Min. focus (ft.)	Min. photographic range (in.)	Focusing	Weight (oz.)	Length (in.)	Max. diameter (in.)	Hood	Filter
2.5°	5-5	Auto.	11-45	30m (98.4)	98×65cm (38.6×25.6)	Rack and pinion	4000g (141.0)	662mm (26)	110mm (4.3)	Built-in	100mm Screw-in

OM SYSTEM ZUIKO 1000mm F11

● **Zuiko Lens**
5 groups 5 elements
Angle of view: 2.5°

● **Front Mount Ring**
Filter size: 100mmϕ

● **Lens Hood**
Built in, retractable.

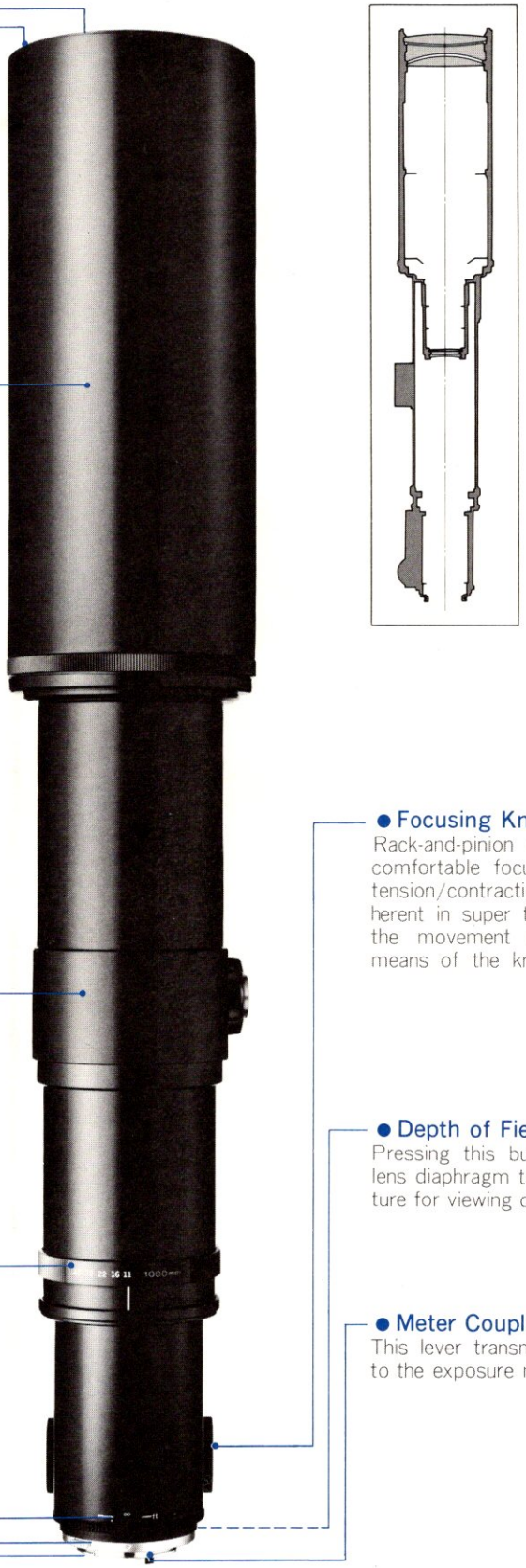
● **Tripod Mount Ring**
Rotatable, not removable

● **Aperture Ring**
Intermediate values between numbers on the dial can be used for fine exposure adjustments. All OM System interchangeable lenses feature automatic diaphragms, except shift and a few macro lenses.

● **Infrared Index Mark**
A reference dot to adjust camera-to-subject distance when using infrared films. The normally determined distance reading should be aligned with this mark.

● **Lens Release Button**
Bayonet type interchangeable lenses are quickly detached by pressing this button and turning the camera 70° clockwise. During mounting (after aligning red dots) the button should not be pressed.

● **Automatic Diaphragm Lever**
This lever closes down the lens diaphragm to the preselected aperture at the moment the shutter is released.



● **Focusing Knobs**
Rack-and-pinion drive system ensures comfortable focusing despite long extension/contraction lens movement inherent in super telephoto. Tightness in the movement can be adjusted by means of the knobs.

● **Depth of Field Preview Button**
Pressing this button closes down the lens diaphragm to the preselected aperture for viewing depth of field.

● **Meter Coupling Lever**
This lever transmits selected apertures to the exposure meter.

Depth of Field Table

Figures with ※ are engraved on the distance scale

F-stop	Distance scale	Camera-to-subject distance (meters) Circle of least confusion 1/30mm.							
		※30	※40	※50	※70	※100	※150	※300	※∞
F-stop	11	29.7~30.3	39.5~40.5	49.2~50.8	68.4~71.7	96.7~104	142~158	271~336	2160~∞
	16	29.6~30.4	39.3~40.8	48.8~51.2	67.7~72.5	95.2~105	139~163	260~356	1590~∞
	22	29.5~30.6	39.0~41.1	48.4~51.7	66.8~73.5	93.5~107	136~168	247~382	1210~∞
	32	29.2~30.8	38.6~41.6	47.7~52.5	66.5~75.2	90.9~111	130~177	229~436	867~∞
	45	28.9~31.2	38.0~42.2	46.8~53.6	63.8~77.6	87.6~117	123~192	209~536	633~∞

Depth of Field Table

Figures with ※ are engraved on the distance scale

F-stop	Distance scale	Camera-to-subject distance (feet) Circle of least confusion 1/760in.							
		※100	※130	※150	※200	※300	※500	※1000	※∞
F-stop	11	99.1~101	128~132	148~152	196~204	291~310	475~528	902~1120	4750~∞
	16	98.6~101	128~132	147~153	194~206	287~314	464~542	863~1190	3840~∞
	22	98.1~102	127~133	146~155	192~209	282~320	452~560	821~1280	3120~∞
	32	97.3~103	125~135	144~157	189~213	275~330	433~593	760~1470	2380~∞
	45	96.3~104	124~137	141~160	185~218	266~345	410~641	692~1810	1820~∞

OLYMPUS

ZUIKO MACRO 20mm F3.5/OBJECTIVE LENS MOUNT PM-MTob



Characteristics

- This high-resolution macro lens is designed for 4X～12X magnifications (object sizes 8×5mm～3×2mm).

Applications

- High-magnification macrophotography

Notes・Related Units

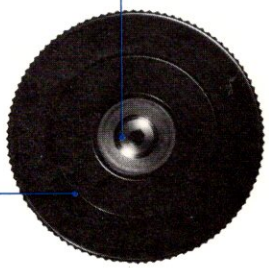
- This lens must be used in conjunction with the Auto Bellows (p.512) and Objective Lens Mount PM-MTob.
- Lens hood is not necessary.

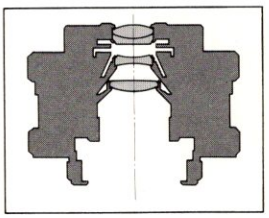
Specifications

Angle of view	Optical construction Element-Group	Diaphragm	F/stop range	Min. focus	Min. photographic range	Focusing	Weight (oz.)	Length (in.)	Max. diameter (in.)	Hood	Filter
9° at highest mag.	4-3	Manual	3.5-16	—	max. 8 × 5mm min. 3 × 2mm	W/Auto Bellows & PM-MT ob	70g (2.5)	20mm (0.8)	32mm (1.2)	Not necessary	21mm Slide-on

OM SYSTEM ZUIKO MACRO 20mmF3.5/OBJECTIVE LENS MOUNT PM-MTob

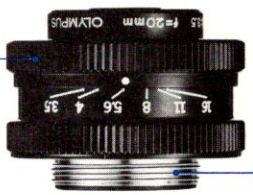
● **Zuiko Lens**
3 groups 4 elements
Angle of view: 9°at high magnification





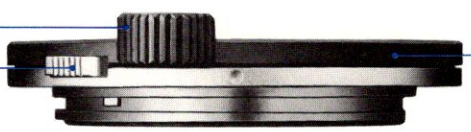
● **Front Mount Ring**
Filter size: 21mmϕ,
slide-on
Hood: not necessary

● **Aperture Ring**
Manual: stopped-down metering is required.



● **Screw Mount**
Connects to Objective Lens Mount PM-MTob.

● **Non-slip Knob**
Apply finger to this knob when attaching /detaching the PM-MTob to and from the Auto Bellows.



● **Objective Lens Mount PM-MTob**
This mounting adapter is necessary to connect the Macro 20mm or Macro 38 mm lens to the Auto Bellows.

Actual size

● **Release Button**
To mount the PM-MTob to the Auto Bellows, press this button and turn 70° clockwise.

Reference Table for Auto Bellows

Image magnification	Bellows length	Lens extension distance	Distance from film to subject	Distance from lens to subject	Subject area covered	Exposure factor
4.3	3.6cm	68mm	12.9cm	2.1cm	5.6×8.4mm	27.9×
4.5	4.0	73	13.3	2.1	5.3×8.0	30.3×
5.0	5.0	83	14.3	2.1	4.8×7.2	36.0×
5.5	6.0	93	15.2	2.0	4.4×6.5	42.3×
6.0	7.0	103	16.2	2.0	4.0×6.0	49.0×
6.5	8.0	113	17.2	2.0	3.7×5.5	56.3×
7.0	9.0	123	18.2	1.9	3.4×5.1	64.0×
7.5	10.0	133	19.2	1.9	3.2×4.8	72.3×
8.0	11.0	143	20.1	1.9	3.0×4.5	81.0×

Image magnification	Bellows length	Lens extension distance	Distance from film to subject	Distance from lens to subject	subject area covered	Exposure factor
8.5	12.0cm	153mm	21.1cm	1.9cm	2.8×4.2mm	90.3×
9.0	13.0	163	22.1	1.9	2.7×4.0	100.0×
9.5	14.0	173	23.1	1.9	2.5×3.8	110.3×
10.0	15.0	183	24.1	1.9	2.4×3.6	121.0×
10.5	16.0	193	25.1	1.8	2.3×3.4	132.3×
11.0	17.0	203	26.1	1.8	2.2×3.3	144.0×
11.5	18.0	213	27.1	1.8	2.1×3.1	156.3×
12.0	19.0	223	28.1	1.8	2.0×3.0	169.0×
12.4	19.8	231	28.9	1.8	1.9×2.9	179.2×

OLYMPUS

ZUIKO MACRO 38mm F3.5/OBJECTIVE LENS MOUNT PM-MTob



Characteristics

- This high-resolution macro lens is designed for 1.8X~6X magnifications (object sizes 20 × 13mm~6 × 4mm).

Applications

- Macrophotography

Notes · Related Units

- This lens must be used in conjunction with the Auto Bellows (p.512) and Objective Lens Mount PM-MTob.
- Lens hood is not necessary.

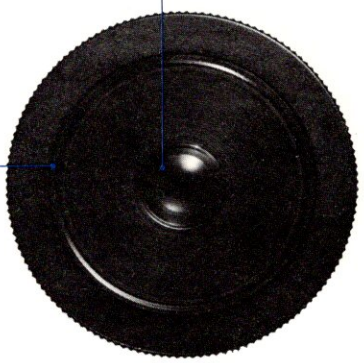
Specifications

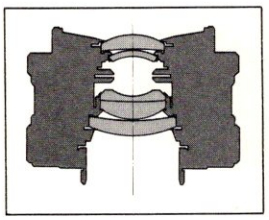
Angle of view	Optical construction Element-Group	Diaphragm	F/stop range	Min. focus (ft.)	Min. photographic range (in.)	Focusing	Weight (oz.)	Length (in.)	Max. diameter (in.)	Hood	Filter
9° at highest mag.	5-4	Manual	3.5-16		max. 20×13mm min. 6× 4mm	W/Auto Bellows & PM-MTob	90g (3.2)	28mm (1.1)	43mm (1.7)	Not necessary	32mm Slide-on

OM SYSTEM ZUIKO MACRO 38mm F3.5/OBJECTIVE LENS MOUNT PM-MTob

● **Zuiko Lens**
4 groups 5 elements
Angle of view: 9° at high magnification

● **Front Mount Ring**
Filter size: 32mm φ, slide-on
Hood: not necessary





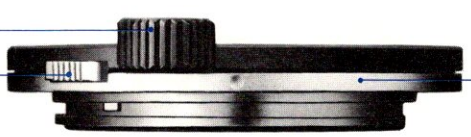
● **Preset Aperture Ring**
The ring stops with a click at each F stop.

● **Aperture Ring**
Manual: stopped-down metering is required.



● **Screw Mount**
Connects to Objective Lens Mount PM-MTob.

● **Non-slip Knob**
Apply finger to this knob when attaching /detaching the PM-MTob to and from the Auto Bellows.



● **Objective Lens Mount PM-MTob**
This mounting adapter is necessary to connect the Macro 20mm or Macro 38 mm lens to the Auto Bellows.

Actual size

● **Release Button**
To mount the PM-MTob to the Auto Bellows, press this button and turn 70° clockwise.

Reference Table for Auto Bellows

Image magnification	Bellows length	Lens extension distance	Distance from film to subject	Distance from lens to subject	Subject area covered	Exposure factor
1.8	3.6cm	68mm	16.2cm	4.6cm	13.2×19.8mm	7.9×
2.0	4.2	75	16.7	4.4	12.0×18.0	9.0×
2.2	5.0	83	17.3	4.3	10.9×16.4	10.2×
2.4	5.8	90	17.9	4.1	10.0×15.0	11.6×
2.6	6.5	98	18.5	4.0	9.2×13.8	13.0×
2.8	7.3	106	19.2	3.9	8.6×12.9	14.4×
3.0	8.0	113	19.9	3.8	8.0×12.0	16.0×

Image magnification	Bellows length	Lens extension distance	Distance from film to subject	Distance from lens to subject	Subject area covered	Exposure factor
3.5	9.9cm	132 mm	21.6 cm	3.6 cm	6.9×10.3 mm	20.3×
4.0	11.8	151	23.3	3.5	6.0× 9.0	25.0×
4.5	13.7	170	25.1	3.4	5.3× 8.0	30.3×
5.0	15.6	189	27.0	3.3	4.8× 7.2	36.0×
5.5	17.5	208	28.8	3.2	4.4× 6.5	42.3×
6.0	19.4	227	30.6	3.2	4.0× 6.0	49.0×
6.1	19.8	231	31.0	3.2	3.9× 5.9	50.4×

OLYMPUS

ZUIKO 1:1 MACRO 80mm F4



Characteristics

- This is the world's first macro lens for life-size reproduction for use with a 35mm SLR camera.
- This epoch-making high-resolution macro lens is designed to perform from 1:2 ~ 2:1 magnifications (object sizes 72×48 mm ~ 18×12mm).

Applications

- Close-up and macrophotography around life-size reproduction ratios.

Notes · Related Units

- The Auto Bellows must be used with this lens. (p. 512)
- Lens hood is not necessary.

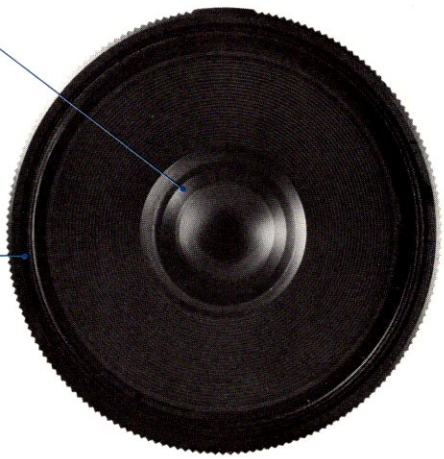
Specifications

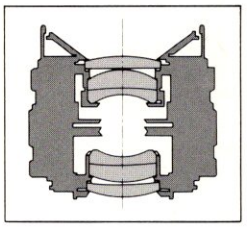
Angle of view	Optical construction Element-Group	Diaphragm	F/stop range	Min. focus	Min. photographic range	Focusing	Weight (oz.)	Length (in.)	Max. diameter (in.)	Hood	Filter
9° at highest mag.	6-4	Manual	4-22		max. 72×48mm min. 18×12mm	W/Auto Bellows	200g (7.1)	46mm (1.8)	59mm (2.3)	Not necessary	49mm Screw-in

OM SYSTEM ZUIKO 1:1 MACRO 80mm F4

● **Zuiko Lens**
4 groups 6 elements
Angle of view: 9°at high magnification

● **Front Mount Ring**
Filter size: 49mmφ
Hood: not necessary





● **Preset Aperture Ring**
The ring stops with a click at each F stop.

● **Aperture Ring**
Manual: stopped-down metering is required.

● **Release Button**
To detach the lens from the Auto Bellows, press this button and turn 70° counterclockwise.



● **Lens Mount Ring**
Bayonet type: connects to the Auto Bellows.

Actual size

REFERENCE TABLE FOR AUTO BELLOWS

Zuiko 1:1 Macro 80mm F4 (Bold lines indicate the optimum application range for this lens.)

Image magnification	Bellows length	Lens extension distance	Distance from film to subject	Distance from lens to subject	Subject area covered	Exposure factor	Image magnification	Bellows length	Lens extension distance	Distance from film to subject	Distance from lens to subject	Subject area covered	Exposure factor
0.26	3.6cm	68mm	47.4cm	34.7cm	91.2×136.7mm	1.6×	1.0	9.4cm	127mm	31.0cm	12.3cm	24.0×36.0mm	4.0×
0.3	3.8	71	44.0	31.0	80.0×120.0	1.7×	1.2	11.0	143	31.2	11.0	20.0×30.0	4.8×
0.4	4.6	79	38.2	24.3	60.0× 90.0	2.0×	1.4	12.6	159	31.9	10.0	17.1×25.7	5.8×
0.5	5.4	87	35.0	20.3	48.0× 72.0	2.3×	1.6	14.2	175	32.8	9.3	15.0×22.5	6.8×
0.6	6.2	95	33.1	17.6	40.0× 60.0	2.6×	1.8	15.8	191	33.8	8.8	13.3×20.0	7.8×
0.7	7.0	103	32.0	15.7	34.3× 51.4	2.9×	2.0	17.4	207	35.0	8.3	12.0×18.0	9.0×
0.8	7.8	111	31.4	14.3	30.0× 45.0	3.2×	2.2	19.0	223	36.2	8.0	10.9×16.4	10.2×
0.9	8.6	119	31.1	13.2	26.7× 40.0	3.6×	2.3	19.8	231	36.8	7.8	10.4×15.7	10.9×

For better results, Macro 50mm F3.5 is recommended for image magnifications 0.4 and lower, and Macro 38mm F3.5 for image magnifications 2.2 and higher.

OLYMPUS

ZUIKO MC 1:1 MACRO 80mm F4/CLOSE-UP LENS 80mm MACRO f=170mm



Characteristics

- This is the world's first macro lens designed to provide the optimum reproduction of life-size images for use with the 35mm SLR camera.
- This epoch-making high-resolution macro lens has a magnification range of 1:2～2:1 (object sizes 72×48mm～18×12mm).

Applications

- Close-up and macrophotography around life-size reproduction.

Notes・Related Units

- The Telescopic Auto Tube 65～116 or Auto Bellows must be used with this lens. With the 65～116, automatic diaphragm and meter coupling is possible. With the Auto Bellows, automatic coupling is made using the Double Cable Release.
- Lens hood is not necessary.
- Close-up Lens 80mm is available for up to 2X macrophotography to be used with this lens and the 65-116.

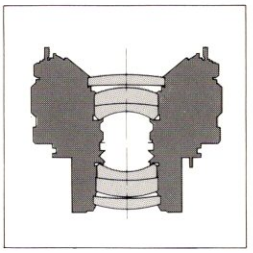
Specifications

Angle of view	Optical construction Element-Group	Diaphragm	F/stop range	Min. focus (ft)	Photographic range	Focusing	Weight (oz.)	Length (in.)	Max. diameter (in.)	Hood	Filter
9° at highest mag.	6-4	Auto.	4-32	0.23m (0.8)	max. 72×48mm min. 18×12mm	W/Auto Tube 65-116 or Auto Bellows	170g (6.0)	33mm (1.3)	60mm (2.4)	Not necessary	49mm Screw-in

OLYMPUS

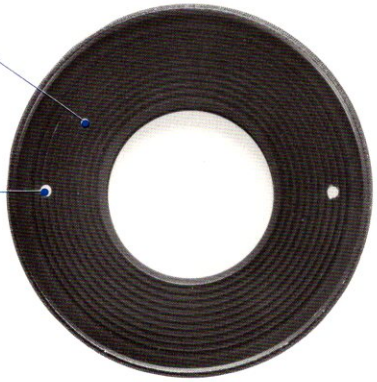
ZUIKO 1:1 MACRO 80mm F4
Stock NO. 103-731
Close-up Lens 80mm MACRO f=170mm
Stock NO. 104-004

OM SYSTEM ZUIKO MC 1:1 MACRO 80mm F4 /CLOSE-UP LENS 80mm MACRO f=170mm



● **Close-up Lens 80mm Macro**

● **Pin Hole**
To unscrew the close-up lens, insert a pin wrench provided into the pin holes.



● **Zuiko Lens**
4 groups 6 elements.
Angle of view: 9° at high magnification.

● **Front Mount Ring**
Filter size: 49mm ϕ
Hood: not necessary.



Actual size

● **Aperture Ring**
Intermediate values between numbers on the dial can be used for fine exposure adjustments. All OM System interchangeable lenses feature automatic diaphragms, except shift and a few macro lenses.

● **Fine-focusing Ring**
The non-slip, rubberized ring permits fast and precise fine-focusing after magnification setting with the Auto Tube 65-116 (or Auto Bellows).

● **Lens Mount Ring**
Bayonet type: connects to the Auto Tube 65-116 or Auto Bellows.



● **Lens Release Button**
To detach the lens from the Auto Tube 65～116 or Auto Bellows, press this button and turn 70° counterclockwise.

● **Depth of Field Preview Button**
Pressing this button closes down the lens diaphragm to the preselected aperture for viewing depth of field.

● **Automatic Diaphragm Lever**
This lever closes down the lens diaphragm to the preselected aperture at the moment the shutter is released.

● **Meter Coupling Lever**
This lever transmits selected apertures to the exposure meter.

CLOSE-UP & MACROPHOTOGRAPHY TABLE

ZUIKO 1:1 MACRO 80mm F4	Lens Position	Subject Area Covered (mm) / Magnification	
		∞	360 180 120 90 72 60 51·4 45 40 36 30 25·7 22·5 20 18 16·4 15 13·8 12·9 12 10·3 9 8 7·2 6·5 6 5·5 5·1 4·8 4 3·6 3·3 3·0
		×	× ×
		240	120 80 60 48 40 34·3 30 26·7 24 20 17·1 15 13·3 12 10·9 10 9·2 8·6 8 6·9 6 5·3 4·8 4·4 4 3·7 3·4 3·0 2·7 2·4 2·2 2·0
		0·1	0·2 0·3 0·4 0·5 0·6 0·7 0·8 0·9 1·0 1·2 1·4 1·6 1·8 2·0 2·4 2·6 2·8 3·0 3·5 3·5 4·0 4·5 5·0 5·5 6·0 6·5 7·0 8·0 9·0 10·0 11·0 12·0
With Auto Bellows	Normal	Scale(mm)	69 70 78 86 94 102 110 118 126 134 142 158 174 190 206 221 231
		Distance from lens to subject(cm. in)	93·2 84·3 44·4 31·1 24·4 20·4 17·7 15·8 14·4 13·3 12·4 11·1 10·2 9·4 8·9 8·4 8·2 36·7 33·2 17·5 12·2 9·6 8·0 7·0 6·2 6·7 5·2 4·9 4·4 4·0 3·7 3·5 3·3 3·2
With Telescopic Auto Tube 65-116	Normal	Length of Telescopic Auto Tube 65-116 (mm)	65 69 77 85 93 101 109 116 116+helicoid extension
		Distance from lens to subject (cm. in)	22.2 20·4 17·7 15·8 14·4 13·3 12·4 11·4 8·7 8·0 7·0 6·2 5·7 5·2 4·9 4·5
With Telescopic Auto Tube 65-116 + CLOSE-UP LENS 80mm	Normal	Length of Telescopic Auto Tube 65-116 (mm)	65 74·6 87 100 112 116+helicoid extension
		Distance from lens to subject (cm. in)	9·2 8·5 7·7 7·2 6·8 6·6 3·6 3·3 3·0 2·8 2·7 2·6

OLYMPUS

ZUIKO MC MACRO 135mm F4.5



Characteristics

- This high resolution macro lens is used with the Telescopic Auto Tube 65-116 or Auto Bellows to provide long working distances (37cm-∞) and minimize perspective deformation in close-ups (max. magnification 0.5x).

Applications

- Its long working distance capability enables the photographer to take enlarged images of a subject from a comfortable distance. It can also be used in the same way as an ordinary 135mm telephoto lens.
- Medical close-up and macrophotography.
- Outdoor action macrophotography (insects, etc.)
- General telephoto photography.

Notes · Related Units

- Though its maximum speed is F4.5, open-aperture viewing is at F4 to make composition and focusing easier.
- The use of T-series electronic flash (T10, T32, T20) is recommended in hand-held macrophotography to prevent blurred images caused by movements.
- Compatible focusing screens: 1-1～1-4, 1-10, 1-11, 1-13, 1-14. (p.201)

Specifications

Angle of view	Optical construction Element-Group	Diaphragm	F/stop range	Min focus (ft.)	Min. photographic range (in.)	Focusing	Weight (oz.)	Length (in.)	Max. diameter (in.)	Hood	Filter
18°	5-4	Auto.	4.5-45	0.6m (2.0)	48×72mm (1.9×2.8)	W/Auto Tube 65-116 or Auto Bellows	320g (11.3)	47mm (1.9)	60mm (2.4)	57mm Slide-on	55mm Screw-in

OLYMPUS

ZUIKO MACRO 135mm F4.5
Stock NO. 103-750

OM ZUIKO MC MACRO 135mmF4.5

● **Zuiko Lens**
4 groups 5 elements
Angle of view: 18° (in general photography)

● **Front Mount Ring**
Filter size: 55mmϕ
Hood: 57mmϕ slide-on(optional)



● **Fine-focusing Ring**
The non-slip, rubberized ring permits fast and precise fine-focusing after magnification setting with the Auto Tube 65-116 (or Auto Bellows).

● **Aperture Ring**
Intermediate values between numbers on the dial can be used for fine exposure adjustments. All OM System interchangeable lenses feature automatic diaphragms, except shift and a few macro lenses.



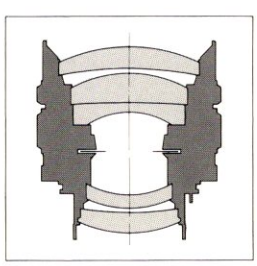
● **Lens Release Button**
To detach the lens from the Auto Tube 65~116 or Auto Bellows, press this button and turn 70° counterclockwise.

● **Depth of Field Preview Button**
Pressing this button closes down the lens diaphragm to the preselected aperture for viewing depth of field.

● **Automatic Diaphragm Lever**
This lever closes down the lens diaphragm to the preselected aperture at the moment the shutter is released.

● **Meter Coupling Lever**
This lever transmits selected apertures to the exposure meter.

Actual size

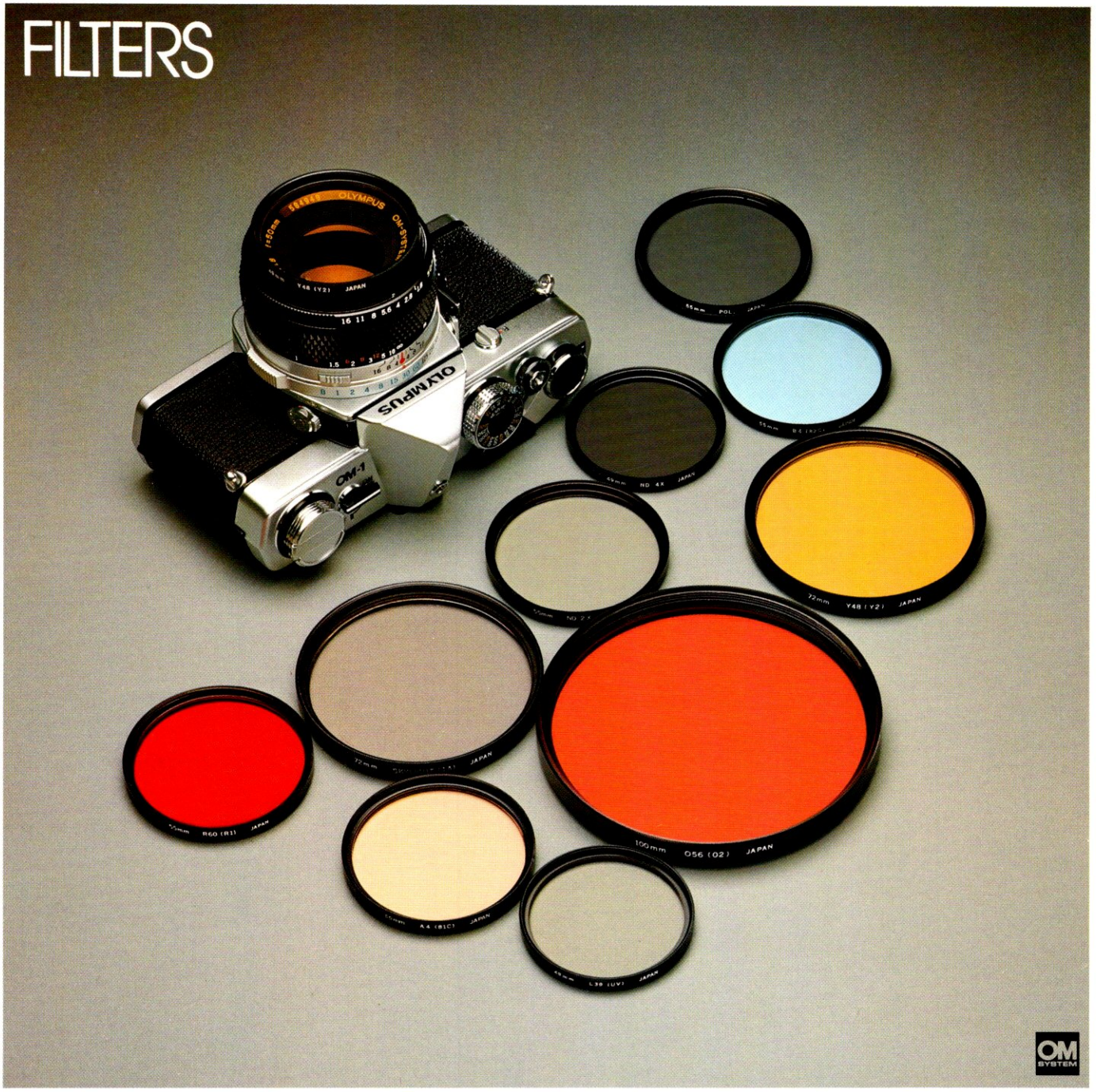


CLOSE-UP & MACROPHOTOGRAPHY TABLE

ZUIKO MACRO 135mm F4.5	Lens Position	Subject Area Covered (mm) / Magnification	
			∞ 360 180 120 90 72 60 51·4 45 40 36 30 25·7 22·5 20 18 16·4 15 13·8 12·9 12 10·3 9 8 7·2 6·5 6 5·5 5·1 4·8 4 3·6 3·3 3·0
			× ×
			240 120 80 60 48 40 34·3 30 26·7 24 20 17·1 15 13·3 12 10·9 10 9·2 8·6 8 6·9 6 5·3 4·8 4·4 4 3·7 3·4 3·0 2·7 2·4 2·2 2·0
			0·1 0·2 0·3 0·4 0·5 0·6 0·7 0·8 0·9 1·0 1·2 1·4 1·6 1·8 2·0 2·4 2·6 2·8 3·0 3·5 3·5 4·0 4·5 5·0 5·5 6·0 6·5 7·0 8·0 9·0 10·0 11·0 12·0
with Auto Bellows	Normal	Scale(mm)	98 111·5 125 138 152 165 179 192.5 206 229 231
		Distance from lens to subject (cm·in)	144 77·1 54·6 43·4 36·6 32·1 28·9 26·5 24·6 23·1 56.6 30.4 21.5 17.1 14.4 12.6 11.4 10.4 9.7 9.1
with Telescopic Auto Tube 65-116	Normal	Length of Telescopic Auto Tube 65-116 (mm)	65 78 92 105 116 116+helicoid extension
		Distance from lens to subject (cm·in)	144 77·1 54·6 43·4 40·4 56.6 30.4 21.5 17.1 15.9

OLYMPUS

FILTERS



● Filter Size

Olympus filters are available in 4 different diameters, 49mm, 55mm, 72mm and 100mm. They are screwed into the camera lens thread.

Type / Size	Sky-light (1A)	L39	ND2	ND4	POL. (polar-izing)	Y48 (Y2)	O56 (02)	R60 (R1)	A4 (81C)	B4 (82C)
49mm	○	○	○	○	○	○	○	○	○	○
55mm	○	○	○	○	○	○	○	○	○	○
72mm	○	○				○	○	○		
100mm	○	○				○	○	○		

Use of one filter at a time is recommended. If two or more filters are used simultaneously, the edges of the picture may be unintentionally cut.

OM SYSTEM FILTERS

Type		Color	Exposure factor		Description
			Daylight	Tungsten light	
For B&W and Color films	Skylight (1A)	Colorless	1	1	Absorbs ultra-violet rays. With color films, reduces haze and bluish tones in daylight photography. Makes marked improvements by absorbing bluish cast particularly at the seashore, on high mountains, or in tree shadows during fine weather.
	L39 (UV)	Colorless	1	1	Eliminates undesirable ultra-violet rays which cause dull, flat pictures especially in distant shots. Renders subject in clear, detailed brilliance. May be used at all times to protect the lens.
	ND2	Gray	2	2	Reduces the amount of light entering the lens to a half or quarter respectively without any change of color tone or contrast. Used if a photographer wishes to maintain a wide lens aperture or slow shutter speed to obtain special effects such as vignetting the background on purpose, etc.
	ND4	Gray	4	4	
	POL	———	3-4	3-4	Enables a photographer to take pictures through glass or water with minimal reflection. Will emphasize clouds against a blue sky by darkening it.
For B&W film	Y48 (Y2)	Yellow	2	1.5	Absorbs a wide range of wavelengths from UV, V to part of blue. Accentuates contrast of clouds, darkening blue skies. Useful in copying documents where letters or figures are blue or black against light background.
	O56 (02)	Orange	4	3	Absorbs a wider range of wavelengths from UV to blue-green than the Y2. Makes contrast higher than Y2. Can be used with infrared films.
	R60 (R1)	Red	8	4	Makes contrast higher than O2. Capable of penetrating haze for landscape photographs often clearer and sharper than viewed by the naked eye. Indispensable for use with infrared films.
For Color film	A4 (81C)	Amber	1.3		For use when taking color pictures in cloudy or rainy weather. Reduces bluish tone and gives warmer colors (or yellow-reddish tone).
	B4 (82C)	Blue	1.6		Designed for use when taking color pictures in early morning or late evening hours when red rays are predominant. Can also be used to give bluish tone for special effects on purpose.

OLYMPUS

FINDER GROUP



❶ Eyecup 1 ❷ Eyecoupler ❸ Dioptric Correction Lenses 1 ❹ Focusing Screens 1 ❺ Varimagni Finder

FOCUSING SCREENS 1



Summary

- A choice of 13 interchangeable focusing screens is available. To obtain the optimum viewfinder image in every photographic situation, interchangeable focusing screens are indispensable to a true system camera.

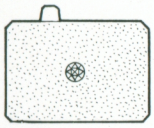
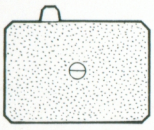
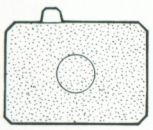
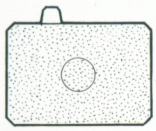
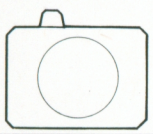
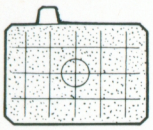
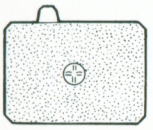
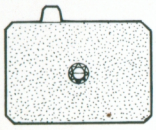
Main Characteristics

- A full range of focusing screens insures the best image rendition with lenses of every focal length.
- With the pentaprism fixed, the screens are changed through the lens mount insuring a high degree of protection against dust and dirt.

Notes · Related Units

- The screen must be handled with great care. Marring the screen and mirror with fingerprints and smudge, and wiping with solvent should be avoided absolutely.
- The clear-field type focusing screens provide brighter viewfinder images. However, the meter needle on MANUAL does not give correct light readings. On AUTO the needle does not point to the precise shutter speed but correct exposures are made on the film.

OM SYSTEM FOCUSING SCREENS 1

TYPE	APPLICATIONS	FOCUSING	NOTES
 **1 — 1 Microprism-matte type** (for most lenses)	Standard type focusing screen, suitable for general photography.	Fast and accurate focusing is done on the central microprism spot as well as on the surrounding matte area. The subject is in focus when the jagged pattern of the microprism spot disappears and the spot becomes crisp and clear.	When a lens with a maximum speed of F5.6 or slower is used, the microprism darkens and the focusing must be made on the matte area. The meter needle gives correct light readings.
 **1 — 2 Microprism-matte type** (for standard & telephoto lenses)	Suitable for general photography in conjunction with a standard or telephoto lens.	Focusing is done on the microprism spot as well as on the matte area.	When a lens with a maximum speed of F8 or slower is used, the microprism spot darkens — in this case, make use of the matte area which is ground comparatively rough for easy focusing. The meter needle gives correct light readings.
 **1 — 3 Split image-matte type** (for most lenses)	Suitable for general photography ensuring critical focusing, and ideal for photographers who prefer the split-field and coincidence type focusing; particularly advantageous when taking a subject with vertical lines.	Focusing is done easily by aligning the split lines.	When a lens with a maximum speed of F5.6 or slower is used, the prism darkens. The meter needle gives correct light readings.
 **1 — 4 All matte type** (for most lenses)	Suitable for general photography and ideal for photographers who prefer a clear-cut view field free from microprism or split prism and for those who are accustomed to focus using matte area. Also suitable for super telephotography as well as close-up photography in conjunction with macro lenses and Auto Bellows.	For easy focusing the matte surface is ground rough. The subject is in focus when the image is sharp.	The meter needle gives correct light readings.
 **1 — 5 Microprism-clear field type** (for wide angle & standard lenses)	This transparent screen provides an exceptionally bright finder image. Highly suitable for snapshots using wide angle and standard lenses.	The subject is in focus when the microprism becomes crisp and clear.	The lack of a matte surface means depth-of-field effects cannot be ascertained. The meter needle does not give correct light readings, because its movement varies depending on the lenses used.
 **1 — 6 Microprism-clear field type** (for standard & telephoto lenses)	This screen is compatible with standard and telephoto lenses and provides an extremely bright finder image.	Focusing is done on the microprism spot.	The lack of a matte surface means depth-of-field effects cannot be ascertained. The meter needle does not give correct light readings.
 **1 — 7 Microprism-clear field type** (for super telephoto lenses)	Developed primarily for use with super telephoto lenses, this clear field screen provides an extemely bright finder image. The microprism spot remains bright even with a lens whose maximum speed is F11, so that this screen is ideal for use with super telephoto lenses with slow lens speeds.	Focusing is done on the microprism spot.	The lack of a matte surface means depth-of-field effects cannot be ascertained and the meter needle does not give correct light readings.
 **1 — 8 All matte type** (for super telephoto lenses & astronomical telescopes)	This screen is ideal for use with super telephoto lenses of 300mm or more in focal length, or for astrophotography.	The extreme fineness of the matte surface permits outstanding field definition.	More accurate focusing may be achieved by the use of the Varimagni Finder. When used with astronomical telescopes, bright images of celestial bodies are obtained both in direct objective and indirect magnified astrophotography. The meter needle gives correct light readings.
 **1 — 9 Clear field type** (for endoscopic photography)	Designed especially for use with Olympus endoscopes. The transparent condenser type screen has a central 23-mm diam. convex surface and no surrounding fresnel lens.	Requires no focusing when the OM-1 is attached to the endoscope by means of the OM Endoscope Adapter.	Auto-exposure is made by Olympus light supply linked to the endoscope.
 **1 — 10 Checker-matte type** (for shift lens)	This screen was specially designed for use with the Zuiko Shift Lens. The reticule engraved on the all-matte ground screen (the same as on the 1-4) is used for vertical and horizontal picture alignment in architectural and composite panoramic photography. The screen is also suitable for general photography, super-telephotography, and close-up/macrophotography in conjunction with the macro lenses and auto bellows.	Focusing is done on the matte area.	The meter needle gives correct light readings.
 **1 — 11 Cross hairs-matte type** (for close-up & macrophotography)	This screen has a cross hairs spot surrounded by a finely ground matte area and is highly advantageous for close-up and macrophotography in conjunction with Auto Bellows and extension tubes.	For focusing in low magnification close-up photography, use the matte area, and in greater than life size macrophotography use the double cross hairs in the same way as with the 1-12 Focusing Screen.	The meter needle gives correct light readings, but depending on the condition of the specimen, the reading must be compensated for (e.g., black dots against white background).
 **1 — 12 Cross hairs-clear field type** (for photomicrography & greater than life size macrophotography)	The transparent screen offers the photographer focusing with an unusually bright finder image. Ideal for macrophotography of 1:1 or over, and for photomicrography.	To focus, first correct your diopter using a dioptric correction lens or Varimagni Finder so that each line of the double cross hairs can be seen clearly and separately. Then bring the specimen into focus.	The meter needle gives correct light readings, but depending on the specimen's conditions, the reading must be compensated for.
 **1 — 13 Microprism/split image-matte type** (for most lenses)	Most suitable for normal photography, this screen assures pinpoint focusing. The central split-image rangefinder is encircled by a microprism collar. Since the outer area has a matte surface, the screen can be used in the same way as the standard 1-1 and 1-3 screens.	Align the split vertical lines of the subject image, or focus on the microprism or matte area.	When a lens with a maximum speed of F5.6 or slower is used, the prism darkens and focusing must be made on the matte area. The meter needle gives correct light readings.

● Lens/Focusing Screen Combination Table

LENSES		TYPES	1-1	1-2	1-3	1-4	1-5	1-6	1-7	1-8	1-9	1-10	1-11	1-12	1-13
FISH EYE	ZUIKO FISHEYE	8mm F2.8	▨	▨	▨	▨	▨			FOR ASTROPHOTO AND SUPER TELEPHOTOGRAPHY	FOR ENDOSCOPIC PHOTOGRAPHY	▨		FOR MACROPHOTOGRAPHY & PHOTOMICROGRAPHY	▨
	ZUIKO FISHEYE	16mm F3.5		*			▨						FOR CLOSE-UP & MACROPHOTOGRAPHY		
SUPER WIDE	ZUIKO MC	18mm F3.5		*			▨								
	ZUIKO	21mm F3.5		*			▨								
	ZUIKO MC	24mm F2		*			▨								
	ZUIKO	24mm F2.8		*			▨								
WIDE	ZUIKO MC	28mm F2		*			▨								
	ZUIKO	28mm F3.5		*											
	ZUIKO MC	35mm F2					▨								
	ZUIKO	35mm F2.8					▨								
	ZUIKO SHIFT	35mm F2.8	*	*	*										*
STANDARD	ZUIKO	55mm F1.2					▨	▨							
	ZUIKO	50mm F1.4					▨	▨							
	ZUIKO	50mm F1.8					▨	▨							
	ZUIKO MACRO	50mm F3.5					▨								
ZOOM	ZUIKO ZOOM	75-150mm F4						▨							
TELEPHOTO	ZUIKO	85mm F2					▨	▨							
	ZUIKO	100mm F2.8					▨	▨							
	ZUIKO	135mm F2.8					▨	▨							
	ZUIKO	135mm F3.5					▨	▨							
	ZUIKO	200mm F4						▨	▨						
	ZUIKO	200mm F5						▨							
SUPER TELEPHOTO	ZUIKO	300mm F4.5						▨	▨						
	ZUIKO	400mm F6.3	*		*			▨	▨						*
	ZUIKO	600mm F6.5	*		*				▨						*
	ZUIKO	1000mm F11	*	*	*				▨						*
SPECIAL (Used with Auto Bellows)	ZUIKO MACRO	20mm F3.5	*	*	*	*						*			*
	ZUIKO MACRO	38mm F3.5	*	*	*										*
	ZUIKO 1:1 MACRO	80mm F4	*	*	*										*

Compatible: The meter needle gives correct light readings. In combination marked with *, microprism, split-image prism and edge of finder darken.

Compatible: Provides a brighter finder image and easy focusing. The built-in exposure meter of the OM-1 and OM-2 (on MANUAL) cannot be used. On AUTO, the OM-2 makes correct exposures but the meter needle does not give correct shutter speeds.

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OM SYSTEM FOCUSING SCREENS 1

■ To remove the focusing screen:
a) After detaching the lens from the camera body, insert the supplied special tool into the camera and push on the release catch underneath the top ledge of the mirror box towards you. This allows the screen and screen frame to drop down.
b) The screen can be made to drop completely down without touching it. Remove the screen from inside the camera by gripping the tipped portion between the tool's jaws.

■ To install the screen, fit it in the frame and push the frame upward gently until it clicks into place.
Gently shake the camera body to make sure the screen is held securely in place.

Fig. 1

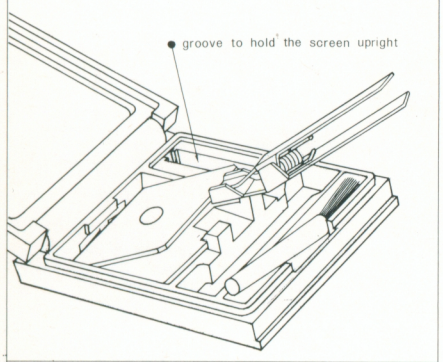
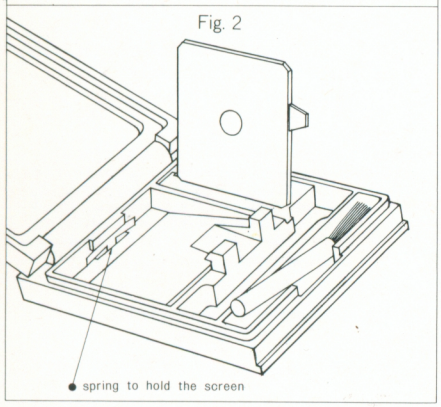


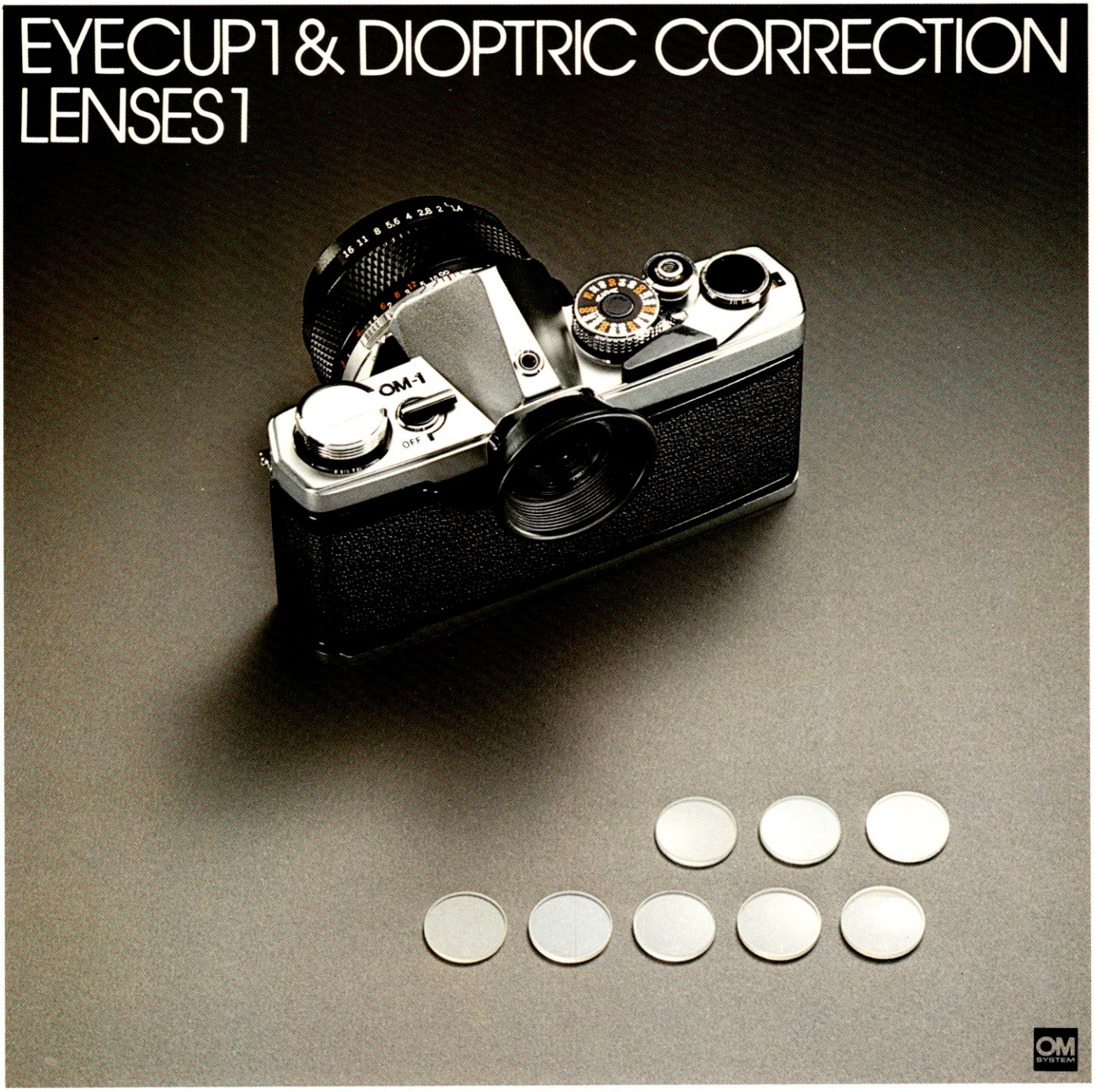
Fig. 2



● Handling the special tool
The tab of the screen is gripped firmly by the tool as shown in Fig. 1. The groove is convenient to hold the removed screen upright to prevent its surface from getting marred (Fig. 2). (To take the tool readily out of the case, depress the jaw to lift the handle and pick it up.)

* When storing the 1-9 in the case, put it with the convex surface facing upward to prevent it from getting scratched.

EYECUP 1 & DIOPTRIC CORRECTION LENSES 1



Summary

- The Eyecup 1 prevents glare and loss of contrast caused by stray light hitting the viewfinder eyepiece and accepts any of the eight Dioptric Correction Lenses.
- The Dioptric Correction Lenses 1 are available for adjustment of individual eye acuity.

Main Characteristics

- The Eyecup 1 is indispensable to prevent stray light passing through the viewfinder eyepiece during MANUAL exposures.
- The eyeshade is detachable from the inner socket of the Eyecup for mounting a Dioptric Correction Lens.
- The photographer can observe a clear viewfinder image when he inserts the optimum Dioptric Correction Lens into the inner socket of the Eyecup.
- The eight Dioptric Correction Lenses available include +2, +1, 0 diopters for long sight; −1, −2, −3, −4 and −5 diopters for short sight.

Notes · Related Units

- Make sure to use the Eyecup 1 in conjunction with the Motor Drive 1 or Winder 1.
- The Eyecoupler (p.221) is essential when the 250 Film Back 1 (p.431) and Eyecup 1 are used together.
- The number engraved on each Dioptric Correction Lens indicates the final diopter in conjunction with the OM body.

OM SYSTEM EYECUP 1 & DIOPTRIC CORRECTION LENSES 1

● Threaded Ring
If the photographer's visual acuity requires use of a Dioptric Correction Lens, unscrew this threaded ring from the inner socket of the Eyecup 1 and insert the Correction Lens, then, clamp in place with this ring.





● Dioptric Correction Lenses 1
These Lenses are available to make focusing easier for short- and long-sighted people without glasses.

● Eyeshade
Made of special rubber, to prevent stray light from entering the eyepiece; can be pulled off.



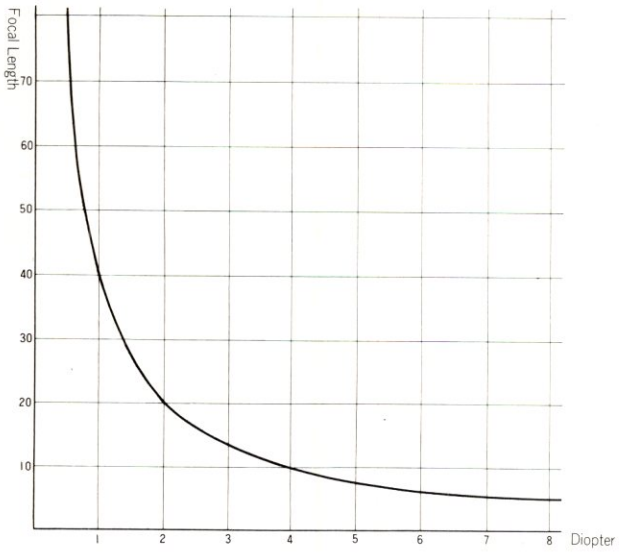
● Inner Socket
Accepts a Dioptric Correction Lens.



● Mounting Frame
Insert this frame into the viewfinder eyepiece mount.

Actual size

Number engraved on Dioptric Correction Lens (final diopter in conjunction with OM body)	Initial diopter of each Dioptric Correction Lens	Application
+2	+4	Hyperopes & presbyopes (or those who wear glasses of visual acuity from +4 to +2 diopter or glasses of focal length from +10 to +20 in.)
+1	+3	
0	+2	
−1	+1	Slight myopes (with glasses of from +1 to −1 diopter or +40 to −40 in.)
−2	0	
−3	−1	
−4	−2	Medium myopes (with glasses of from −2 to −3 diopter or from −20 to −15 in.)
−5	−3	



● Correlation of Focal Length and Diopter of Lenses

The (+) or (−) number engraved on each Dioptric Correction Lens indicates the final diopter in conjunction with the OM body. The mark (+) indicates a convex lens for hyperopic use and the mark (−) indicates a concave lens for myopic use.

If the focal length of glasses is expressed in inches, the relationship between the focal length and diopter is indicated in the graph, in which the focal length is in the Y axis and the diopter in the X axis.

If the focal length is 20 inches (with mark +, for instance), follow it across the graph until it crosses the curve, from which it descends to the X axis. Then you can obtain the diopter 2 (with mark unchanged).

To obtain the optimum Dioptric Correction Lens, subtract 2 from the diopter of the glasses, by which calculation the final diopter is determined as engraved on each Correction Lens.

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OMIF · 0178T

VARIMAGNI FINDER



Summary

- This unique unit functions as both a high quality angle finder and as a magnifier, and allows direct correction of individual diopter values.

Main Characteristics

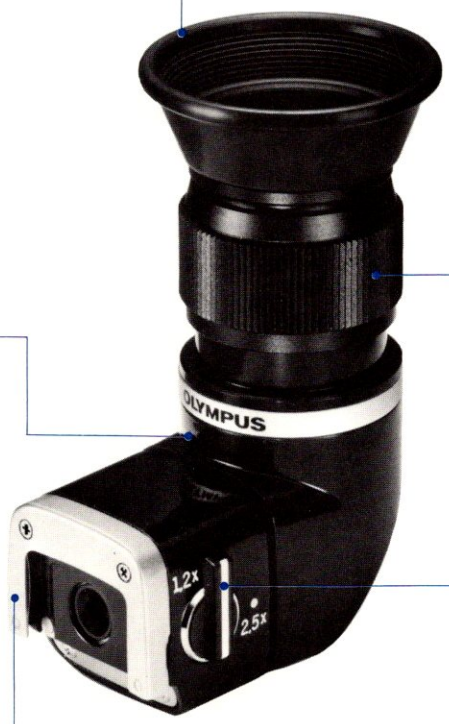
- The eyepiece tube rotates 360°, allowing a fine view through the viewfinder from any position; particularly convenient in low level or 90°-angled shots.
- Image magnification as viewed through the Varimagni Finder can be changed between 1.2× and 2.5× magnifications by a simple lever operation.
- It shows either the entire screen at 1.2 × magnifications for easy picture composition or the image of the central screen at 2.5 × for exact focusing.
- This unit allows dioptric correction between +3 to −7 diopters by means of a diopter correction ring for accurate focusing even by short- or long-sighted photographers.

Notes • Related Units

- The Eyecoupler (p.221) is required when the Varimagni Finder is used in conjunction with Focusing Screen 1-12 for photomicrography.

VARIMAGNI FINDER

● Eyeshade
Made of rubber; indispensable to prevent stray light from entering the eyepiece. When not required, pull it off.



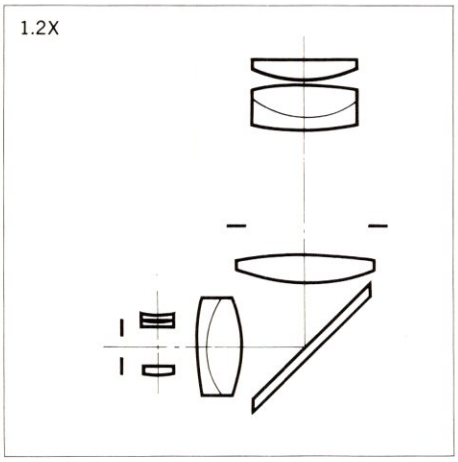
● Diopter Correction Ring
Rotate the ring until you can observe a clear image of the central area of the Focusing Screen or grains on the matte surface. It assures a sharply focused image even for short- or long-sighted people.

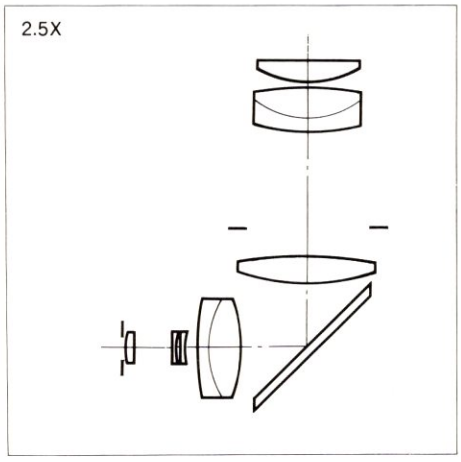
● Eyepiece Tube
Rotatable through 360°, allowing the photographer to view the subject at any position for accurate focusing and composition as desired. It has clickstops at 90° intervals.

● Magnification Selector Lever
Simple operation permits instant conversion between a 1.2X image and a 2.5X image of the central area which enables more accurate focusing than with ordinary close-up or duplication.

● Mounting Flange
Insert the flange into the mount of the viewfinder eyepiece. The Eyecoupler (p.221) is additionally used in photomicrography.

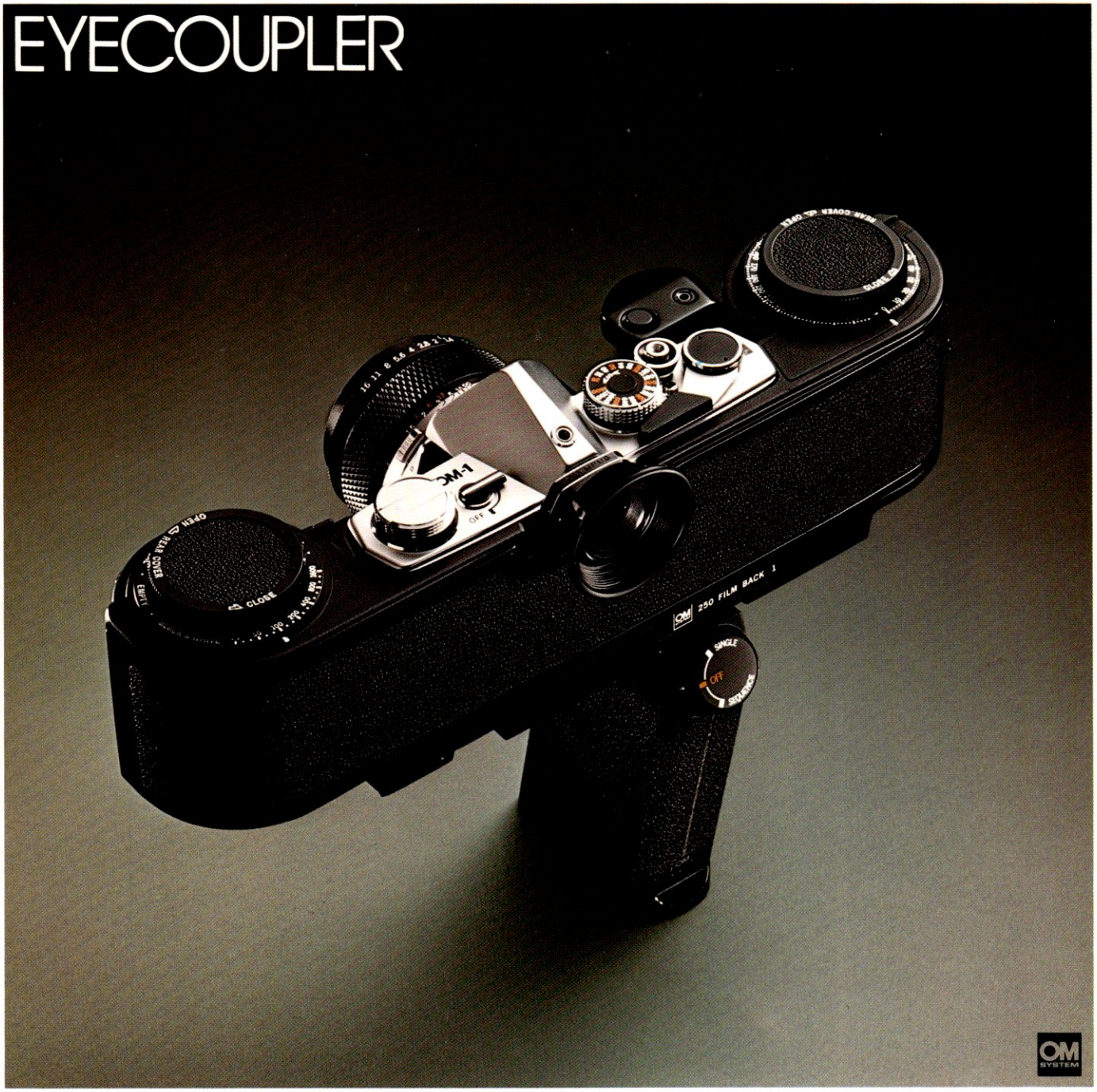
Actual size





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EYECOUPLER



Summary

- This is a convenient unit to connect various components of the Finder Group to the viewfinder eyepiece.

Main Characteristics

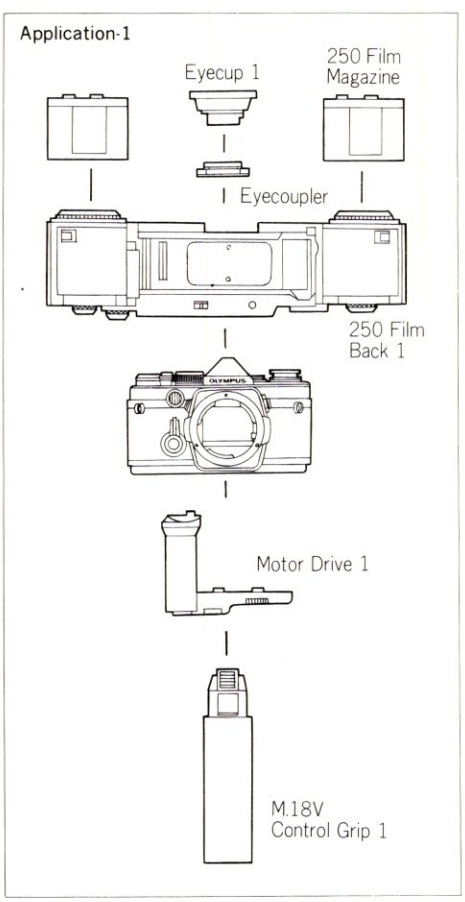
- For use of the Varimagni Finder (p.212) in photomicrography, this unit fits in between the viewfinder eyepiece and Varimagni Finder. It ensures full coverage of the finder's field of view.
- When the 250 Film Back 1 (p.431) is used together with the Eyecup 1 (p.211), this unit is used to link them.

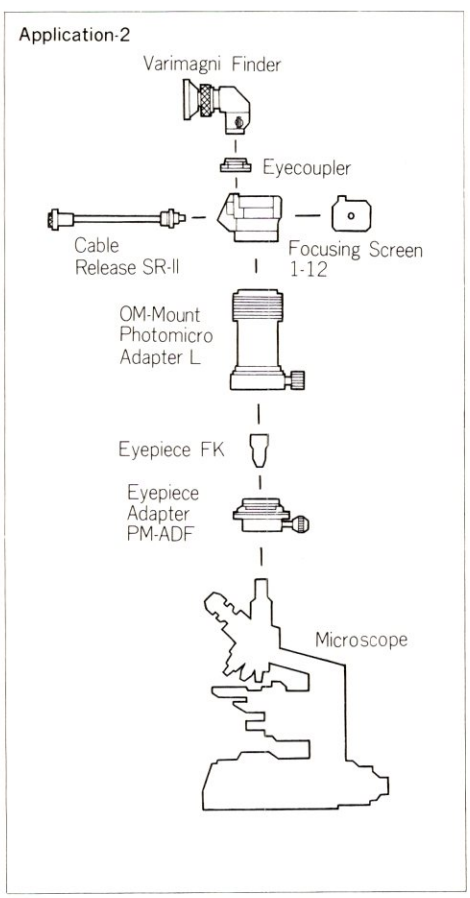
OM SYSTEM EYECOUPLER



Accepts the Eyecup 1 or Varimagni Finder.

Actual size





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FLASHPHOTO GROUP


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QUICK AUTO 310



Summary

- Energy-saving, series-circuit type, system electronic flash unit. TTL AUTO (with OM-2+Accessory Shoe 2), NORMAL AUTO (3 apertures) and MANUAL (2-stage output) can be instantly selected.

When the OLYMPUS Quick Auto 310 flash unit is linked to the OM-2 via the Accessory Shoe 2, it makes possible the entirely new TTL centralized Control Flash method. (TTL AUTO).

Main Characteristics

- Guide number 34 (ASA 100, m) or 55 (ASA 25, ft) at peak. The coverage angle is almost equal to the picture angle of a 24mm super wideangle lens.
- TTL AUTO: The Silicon Blue Cells of the OM-2 (TTL Direct Light Measuring System) work also as the flash-light sensor. The features of the system are; 1) ASA film speed and f/stop need not be set on the Quick Auto 310, 2) lens aperture is used continuously, 3) extensive working range—17cm~23m or 7in.~75 ft (F 1.2 lens, ASA 100), 4) auto macrophoto- and photomicro-flashphotography is possible, and 5) flash-light acceptance angle coincides with lens picture angle.

Notes • Related Units

- Four 1.5V "AA" batteries must be used. (Ni-Cd batteries may not be used.)
- Accessory Shoe 1 or 2 (for TTL AUTO with OM-2) must be mounted to the OM camera body (pp.311 & 312).
- Synchro Cord is necessary for a camera having no hot shoe and for off-camera flash operation (p.341).
- To perform NORMAL AUTO bounce flash, Bounce Grip (p.313) and Remote Sensor (p.331) are required with OM-1 (or other camera) +Accessory Shoe 1. For TTL AUTO bounce flash, Bounce Grip and TTL Auto Cord 0.6m (p.342) with OM-2+Accessory Shoe 2.
- Lens Pouch 200 can also be used to hold the Quick Auto 310. (p.811)

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OM SYSTEM QUICK AUTO 310



● **Flash Surface**

● **NORMAL AUTO Sensor Window**
Measures light reflected from subject and automatically shuts off flash output when it has reached the proper amount for accurate exposure (NORMAL AUTO). Be cereful not to cover the window during diffused flash use.

● **External Power Socket**
Accepts output plug of Bounce Grip.

● **Lock Knob**

● **Hot Shoe Mount**

● **NORMAL AUTO F-stop/MANUAL GN Window**

● **TTL AUTO/NORMAL AUTO/MANUAL Switch Dial Index**
Being set at TTL AUTO mode.

● **ASA Window**



● **Auto Check Lamp**
Flickers for approx. 5 seconds to indicate correct autoflash before (NORMAL AUTO) and after shooting (NORMAL AUTO and TTL AUTO).

● **ASA Setting Button**

● **Test Button**
Press to activate Auto Check Lamp for pre-shooting auto working range confirmation (NORMAL AUTO), or press for open flash.

● **Ready/Charge Lamp**

● **Power Switch**

● **NORMAL AUTO Aperture Marks**
Align Switch Dial Index to one of 3 symbols (F4, F5.6 and F8 at ASA100).

● **MANUAL Marks**
HI-GN 34, LOW-GN 17 (ASA 100,m)

● **Distance Scale Window**



● **Synchro Cord Socket**
Accepts Synchro Cord (when using a camera having no hot shoe or for off-camera flash) or TTL Auto Cord 0.6m (for TTL AUTO).

● **Battery Chamber**
Ni-Cd batteries may not be used.

Main specifications

Type: Energy-saving, series-circuit type TTL automatic exposure.

Coverage angle: 50° vertical, 80° horizontal

Flash duration: 1/40,000—1/1,000sec.

Recycling time: 0.2-12sec. with AA Alkaline batteries

Flashes per set of AA Alkaline batteries: 100-over 400 on NORMAL and TTL AUTO modes.

Color temperature: 5,800°K

Connection to camera

Mechanical: clip-on type (via accessory shoe) or grip type (via Bounce Grip)

Electrical: Direct contact (hot shoe), or via Synchro Cord or TTL Auto Cord 0.6m.

Dial setting: TTL AUTO/NORMAL AUTO/MANUAL rotating dial

TTL AUTO

Aperture setting: continuous, accords with aperture ring setting of camera-linked lens.

Working range: 0.25-23m (10 in.—75 ft.) at ASA 100 with F1.2 lens.

Bounce flash: Bounce Grip + TTL Auto Cord 0.6m.

NORMAL AUTO

Aperture setting: Choice of 3 apertures (F4, F5.6 and F8 at ASA 100)

NORMAL AUTO Sensor Acceptance Angle: Approx. 20°

Working range: 0.5-8.5m (20 in.—28 ft.) at ASA 100.

Bounce Flash: Bounce Grip + Remote Sensor.

MANUAL flash guide numbers: HI-GN 34 (ASA 100, m) or 55 (ASA 25, ft); LOW-GN 17 (ASA100, m) or 27 (ASA 25, ft.)

Size & weight: 99 × 80 × 73mm, 330 g without batteries (3 7/8 × 3 1/8 × 2. 7/8", 11.6 oz.)

OLYMPUS

OMIF · 0178T

ELECTRONIC FLASH T32



Summary

- Series-circuit type system electronic flash unit. TTL AUTO (with OM-2N, OM-2), NORMAL AUTO (3 apertures) and MANUAL (2-stage output) can be instantly selected.
- Charge/Auto check lamp is visible both in the viewfinder (OM-2N, OM-1N, OM-10) and on the back of the T32.

T32 Flash photography (W/Built-in bounce mechanism)

Camera	Selection of Mount	Flash Mode
OM-2N	Accessory Shoe 4	● TTL Auto ● Normal Auto ● Manual
OM-1N	Accessory Shoe 4	● Normal Auto ● Manual
OM-10	Built on the camera	● Normal Auto ● Manual
OM-2	Accessory Shoe 3	● TTL Auto ● Normal Auto ● Manual (1/60 sec cannot be used)
	Accessory Shoe 1・2	● Normal Auto ● Manual
OM-1	Accessory Shoe 1	● Normal Auto ● Manual
Other Cameras	Hot Shoe	● Normal Auto ● Manual

Flash modes indicated in red provide the viewfinder charge/auto check signal

Main Characteristics

- Guide number 32 (in meters) or 104 (in feet) at ASA 100. The coverage angle is almost equal to the picture angle of a 24 mm super wide-angle lens.
- Vertical bounce mechanism is built in.
- TTL AUTO (Centralized Control flash): Silicon Blue Cells of the OM-2N(OM-2) [TTL Direct (off-the-film) Light Measuring] work also as the flash-light sensor. Features of this mode are; 1) ASA film speed, f-stop, TTL AUTO/MANUAL switching and X synch (OM-2N) need not be set on the T32; 2) lens aperture is used continuously; 3) wide working range—25cm~26m or 10 in.~86 ft. (F1.2 lens, ASA·100); 4) close-up and diffused flash-photography is achieved with ease; and 5) flashlight acceptance angle always coincides with lens picture angle.

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Notes · Related Units

- Four 1.5V "AA" batteries (including Ni-Cd) may be used.
- Zoom adapter, wide adapter and color filters are optionally available.
- For off-camera flash: via
  - TTL Auto Connector + TTL Auto Cord T
    - Power Bounce Grip 2, or
    - TTL Auto Multi Connector
- Electronic Flash AC Adapter 2 is optionally available.
- The T32 cannot be used with a camera having no hot shoe.
- The following flashphoto group units are exclusively for use with the Quick Auto 310 and cannot be used with the T32. Bounce Grip, Synchro Cord, Remote Sensor, TTL Auto Cord, 315V Power Pack 1 and F. AC Adapter.

Electronic Flash T32
Stock NO. 107-017

OM SYSTEM ELECTRONIC FLASH T32

● NORMAL AUTO Sensor Window
Measures light reflected from subject and automatically shuts off flash output when it has reached the proper amount for accurate exposure (NORMAL AUTO).

● Hot Shoe Mount

● ASA Index Mark

● ASA Scale
When ASA film speed is set, corresponding aperture/distance scale is shown.

● ASA Switching Knob
To set ASA film speed, remove calculator panel and align the ASA value against ASA Index Mark.

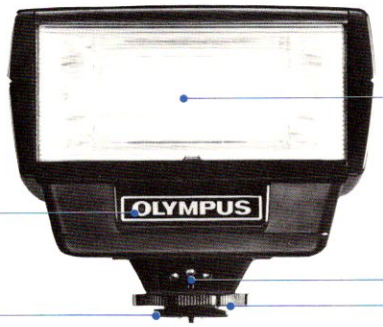


● Mode Switching Knob
Slides right and left to allow selection of NORMAL AUTO (3 apertures) and MANUAL (2-stage output) mode.

● Distance Scale (indicated in meters)

● Calculator Panel (indicated in feet)







● Test Button
Press to activate Auto Check Lamp for pre-shooting auto working range confirmation (NORMAL AUTO), or press for open flash.

● Auto Check Lamp
Flickers for approx. 2 seconds to indicate correct autoflash after shooting (TTL AUTO and NORMAL AUTO).

● Aperture Scale

● NORMAL AUTO Index Mark
For NORMAL AUTO flash operation, align Mode Switching Index Mark with either one of the f-stops indicated by marks (F4, F5.6 or F8: ASA 100).

● MANUAL Index Mark
For manual flash operation, align Mode Switching Index Mark to 32 or 16.

● Flash Diffuser Window

● External Power Socket
Accepts output plug of optional Electronic Flash AC Adapter 2. Simultaneous use with "AA" batteries is possible.

● Lock Knob

● TTL AUTO* Panel(blank)
Blank for TTL AUTO mode, since T32 is controlled directly by OM-2N or OM-2.

*TTL Auto is an exclusive OLYMPUS flash system in which the flash emission is measured off the film plane by the OM-2's TTL Direct (OTF) Light Measuring sensors, and the flash unit is controlled directly by the camera.

● Calculator Panel Switching Button
Press to remove the calculator panel.

● Power Switch
On-Off switch for flash circuitry. If available light photography is required, simply switch it off; then T32 will not fire even when fully charged.

● Charge Lamp
Glows when the capacitor is charged enough to fire.



● Battery Compartment Cover

● TTL Auto Cord Socket

● Down-Tilt Stop Knob

● Main Specifications

Type: Energy-saving, series-circuit type Centralized Control (TTL AUTO) flash unit (with normal auto and manual capability).

Guide number: 32 (ASA 100, meters) or 104 (ASA 100, feet).

Coverage angle: 53° vertical, 74° horizontal (covers picture area of 24mm lens).

Flash duration: 1/50,000—1/1,000 sec.

Recycling time: 0.2—10 sec. with AA alkaline batteries on TTL AUTO and NORMAL AUTO (varies depending on flash-to-subject distance).

Flashes per set of AA alkaline batteries: 100—500 on TTL AUTO and NORMAL AUTO (varies depending on flash-to-subject distance).

Tilting angle of flash diffuser window: Down 15°, up 90°

Color temperature: 5,800°K.

Connection to camera: ① On-camera clip on (via hot shoe). ② Off-camera w/wo Power Bounce Grip 2 via TTL Auto Connector T4 (T3) and TTL Auto Cord T 0.3m with OM-2N (OM-2) and OM-1N.

Calculator: Reversible plate type—blank for OLYMPUS OM-2 (TTL Auto/Manual): auto/manual calculator for OM-1, OM-10 and non-OM cameras).

TTL AUTO (with OM-2N and OM-2):

Aperture Setting: Continuous, couples with aperture ring setting of camera lens.

SBC Sensor Acceptance Angle: Matches view of angle of camera lens.

Working Range: 0.25—26m (10in.-86ft.) (ASA100, F1.2 lens).

TTL AUTO Check: Neon-flicker indication. Viewfinder indication contact provided.

Ready Light Check: Charge lamp and viewfinder indication contact.

NORMAL AUTO:

Aperture Setting: 3 apertures (F4, F5.6 and F8 at ASA 100).

Normal Auto Sensor Acceptance Angle: Approx. 20°

Working Range: 1-8m (3.2ft.-26ft.) at F4, 0.7-5.6m (28in.-18ft.) at F5.6; 0.5-4m (20in.-13ft.) at F8. (ASA100).

AUTO & Ready Light Check: Same as TTL AUTO and Ready Light Check above.

MANUAL:

Guide Number: HI-32 (ASA 100, m) or 104 (ASA 100, ft.) and LOW-16 (ASA 100, m), or 52 (ASA 100, feet.).

Ready Light Check: Charge lamp and viewfinder indication contact.

Termination of light emission: Instantaneous with power switch off: T32 will not fire even when fully charged.

Power source: ① Four 1.5V "AA" penlight batteries (incl. Ni-Cd batteries). ② Four 1.5V "C" batteries inside Power Bounce Grip 2. ③ AC house current via Electronic Flash AC Adapter 2.

Dimensions and weight: 104×81×70mm (4.1"×3.2"×2.8"), 320g (11.3 oz.) (less batteries).

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T POWER CONTROL 1



Summary

- Mounted to the accessory 'hot' shoe, this unit feeds power to the T10 Ring Flash 1.
- The ring light equipment extends the advantages of TTL "OTF" Auto flash to the fields of medical close-up and outdoor action macrophotography (OM-2N, OM-2).
- With the calculator panel positioned in reverse, Manual flash can also be achieved more easily than ever before (OM-1N, OM-1, OM-10 and non-OM cameras).

Main Characteristics

- Compact, lightweight and well-balanced construction.
- Guide number 10 (m) or 33 (ft.) at ASA 100, plus low output of GN 4 (ASA 100, m).
- TTL "OTF" Auto Ring Flash: Close-up and macro flashphotography can be made merely by pressing the shutter release. (No need to set ASA rating and aperture on the unit.) The charge/correct auto flash signal can be seen both in the viewfinder (OM-2N) and on the back of the unit.

Notes · Related Units

- Standard calculator panel (for 50 mm lenses) comes equipped with the unit. Panels for the Macro 135 mm and the 1 : 1 Macro 80 mm are optionally available.
- Power sources: ① Self-contained: 4 1.5V AA-size batteries ② 4 1.5V size-C batteries inside Power Bounce Grip 2 ③ Electronic Flash AC Adapter 3.
- The ring flash equipment does not feature explosion-proof construction. Do not use in the presence of flammable gas.

Stock number(s) shown-on next page

OM SYSTEM T POWER CONTROL 1



- T10-plug Positioning Dot
- External Power Socket
- Lock Knob
- T10-plug Release Button



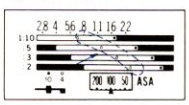
- TTL AUTO Panel(blank)
- Test Button



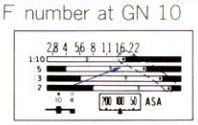
- Working Distance (ft.,cm)
  Flash-to-subject distance
- Magnification Factor
- MANUAL Guide Number Index
- Guide Number Switching Index
- Calculator Panel
  The standard type (for 50mm lenses) comes equipped with the T Power control 1.

- ASA Switching Knob
  To set film speed, remove calculator panel and slide the knob in one direction or the other until index mark aligns with the rating of your film. Once the ASA film speed is set you can read off the aperture corresponding to each working distance and magnification factor at a glance.
- Aperture Scale
- Applicable Lens
- ASA Scale
- GN Switching Knob

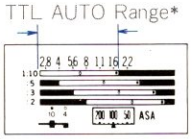
○ mark indicates correct F number at GN 4.



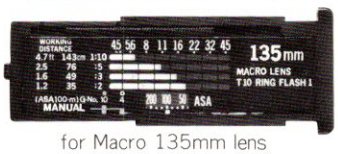
● mark indicates correct F number at GN 10



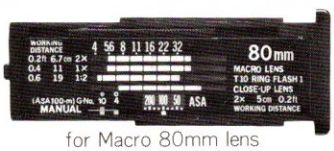
TTL AUTO Range*



* On TTL Auto mode with the OM-2 all F numbers indicated by the white segment can be used. It is recommended to use a greater F number.



for Macro 135mm lens



for Macro 80mm lens

Main Specifications

Type: Energy-saving series-circuit type TTL Centralized Control (TTL "OTF" AUTO) (with manual capability).

Guide number: 10 (ASA 100, meters) or 33 (ASA 100, feet). at 1m flash-to-subject distance and full power flash.

Coverage angle: 80°

Recycling time: 0.2-10 sec. with AA Alkaline batteries on TTL AUTO (varies depending on flash-to-subject distance).

Number of flashes: 100-500 with AA Alkaline batteries on TTL AUTO (varies depending on flash-to-subject distance).

Color temperature: 5,800° K.

Mounting on lens: 49mm/55mm filter thread mount provided on T10. T10 connects to power control unit by bayonet mount via spiral cord.

Electrical contact with camera: ① Clip-on type with hot shoe and lock. ② Bracket type with Power Bounce Grip 2, TTL Auto Cord and TTL Auto Connector. ③ Free type with TTL Auto Cord and TTL Auto Connector.

Exposure calculator: Reversible plate type - - blank for OM-2N (OM-2) for TTL Auto/Manual flash; calculator for OM-1N (OM-1), OM-10 and non-OM cameras for Manual flash.

TTL "OTF" AUTO (with OM-2N or OM-2):
Aperture Setting: Continuous, couples with aperture ring setting of camera lens.
SBC Sensor Acceptance Angle: Matches view of camera lens. TTL AUTO Check: Neon-flicker indication. Viewfinder indication contact provided.
Ready Light Check: Charge lamp and viewfinder indication contact.

MANUAL: Guide Number: 10 (ASA 100, meters) or 33 (ASA 100, feet) on full power flash. Low-4 (ASA 100, meters) or 13 (ASA 100, feet.)
Aperture Setting: In reference to calculator plate on which F numbers and magnification factors are graduated in accordance with ASA film speed.

TTL Auto cord socket: Plug-in type with automatic lock.

External power socket: Plug-in type.

Termination of Flash Emission: Instantaneous. With power switch off, the ring flash will not fire even when fully charged.

Power source: ① 1.5V "AA" battery x4 (incl. Ni-Cd) inside T Power Control 1. ② 1.5V "C" battery x4 (incl. Ni-Cd) inside Power Bounce Grip 2. ③ AC house current via Electronic Flash AC Adapter 3. ② and ③ are activated by on/off switch of power control unit.

Illuminators: Eight electric bulbs are built into the front of ring flash unit. (Power source: 6V Power Pack 2 or AC Adapter 3.)

Recommended Macro lenses: ZUIKO MC 135mm F4.5, 1:1 MC 80mm F4, and MC 50mm F3.5.

Dimmensions and weight: 81×70×104mm (3.2"×2.8"×4.1"), 320g (11.3oz.) (less batteries).

T Power Control 1
Stock No. 107-023
Calculator Panel 50mm MACRO
Stock No. 107-050
Calculator Panel 80mm MACRO
Stock No. 107-051
Calculator Panel 135mm MACRO
Stock No.107-052

OLYMPUS

T10 RING FLASH 1 & RING CROSS FILTER POL



Summary

- The T10 Ring Flash 1 screws into the front of the camera lens and links with the T Power Control 1 mounted to the camera, to provide shadowless lighting at extremely close camera distances.
- Especially designed for macro lenses: Macro 50mm F3.5[1], Macro 80mm F4[2], and Macro 135mm F4.5[2].
  1) w/wo Telescopic Auto Tube 65-116 or Auto Bellows
  2) w/ 65-116 or Auto Bellows

*TTL Auto is an exclusive OLYMPUS flash system in which the flash emission is measured off the film plane by the OM-2's TTL Direct (OTF) Light Measuring sensors, and the flash unit is controlled directly by the camera.

Main Characteristics

- This is the world's first TTL "OTF" AUTO* ring flash specially designed for close-up work and macrophotography.
- Compact and functional, it is ideally suited for medical, scientific and outdoor action photography.
- Guide number is 10 (ASA 100, m) or 33 (ASA 100, ft.) at peak.
- Eight electric bulbs are built into the flash surface to facilitate focusing and composition with dark subjects.
- With the aid of the optional Ring Cross Filter POL the ring flash reproduces glossy objects, minimizing undesirable directly reflected light (shells, human eyes, etc.).

Notes · Related Units

- T Power Control 1 (containing 4 AA batteries, booster, capacitor, etc.) operates in tandem with the T10.
- Having two threads, the T10 can be screwed into either 49mmϕ or 55mmϕ lenses. (35 mm F2.8, 50mm F1.8, 50mm F1.4, 85mm F2, 100mm F2.8, 135mm F3.5 and 135 mm F2.8). Picture edges may darken if close-up range is exceeded.
- Ring flash may cause red-eye effect in portraits.
- AC Adapter 3, exclusively for use with the T Power Control 1 and the T 10 Ring Flash 1, will be optionally available shortly.

T10 Ring Flash 1
Stock NO. 107-013
Ring Cross Filter POL
Stock NO. 107-027

OLYMPUS

OM SYSTEM T10 RING FLASH 1 & RING CROSS FILTER POL

● **Filter Thread**
Accepts Ring Filter POL.

● **Spiral Cord**
Extendable from 0.3 to 0.6m.

● **Connecting Plug**
To plug into the terminal socket of T Power Control 1, align red index marks, press and rotate the plug fully clockwise.

● **Positioning Index (red)**

● **Illuminator ON/OFF Switch**

● **Illuminator Power Socket**
Accepts output plug of optional 6V Power Pack 2 or AC Adapter 3.



● **Flash Diffuser Window**

● **Illuminator (8 electric bulbs)**
For focusing and composition with dark objects.

● **Mounting Thread (49mmφ·55mmφ)**
Screws into front of lens.

● **Ring Cross Filter POL**
Outer polarizing filter (covering flash surface) is orientated at right angles to inner polarizing filter (covering camera lens).

● **Mounting Thread**
Fits into T10.



● Main Specifications (T Power Control 1+T10 Ring Flash 1)

Type: Energy-saving series-circuit type TTL Centralized Control (TTL "OTF" AUTO) (with manual capability).

Guide number: 10 (ASA 100, meters) or 33 (ASA 100, feet) at 1m flash-to-subject distance and full power flash.

Coverage angle: 80°

Recycling time: 0.2~10 sec. with AA Alkaline batteries on TTL AUTO (varies depending on flash-to-subject distance).

Flashes per set of AA alkaline batteries: 100~500 on TTL AUTO (varies depending on flash-to-subject distance).

Color temperature: 5,800° K.

Mounting on lens: 49mm/55mm filter thread mount provided on T10. T10 connects to power-control unit by bayonet mount via spiral cord.

Electrical contact with camera: ①Clip-on type with hot shoe and lock. ②Bracket type with Power Bounce Grip 2, TTL Auto Cord and TTL Auto Connector. ③Free type with TTL Auto Cord and TTL Auto Connector.

Calculator: Reversible plate type—blank for OM-2 (TTL Auto/Manual) : calculator for OM-1, OM-10 and non-OM cameras for Manual flash.

TTL "OTF" AUTO (with OM-2N or OM-2): Aperture setting: Continuous, couples with aperture ring setting of camera lens.

SBC sensor acceptance angle: Matches view of camera lens.

TTL AUTO Check: Neon-flicker indication. Viewfinder indication contact provided.

Ready light check: Charge lamp and viewfinder indication contact.

MANUAL: Guide number: 10 (ASA 100, meters) or 33 (ASA 100, feet) on full power flash. Low-4 (ASA 100, meters) or 13 (ASA100, feet).

Aperture setting: In reference to calculator plate on which F numbers and magnification factors are graduated in accordance with ASA film speed.

TTL AUTO CORD socket: plug-in type with automatic lock.

External power socket: Plug-in type.

Termination of flash emission: Instantaneous.

With power switch off, the ring flash will not fire even when fully charged.

Power source: ①1.5V "AA" battery × 4 (incl. Ni-Cd) inside T Power Control 1. ②1.5V "C" battery × 4 (incl. Ni-Cd) inside Power Bounce Grip 2. ③AC house current via Electronic Flash AC Adapter 3.

Illuminators: Eight electric bulbs are built into the front of ring flash unit. (Power source: 6V Power Pack 2 or AC Adapter 3).

Recommended macro lenses: Zuiko MC MACRO 135 mm F4.5, MC 1:1 MACRO 80mm F4, MC MACRO 50mm F3.5.

Dimensions and weights: T Power Control 1·81×70×104mm (3.2"×2.8"×4.1"), 320g (11.3oz.) (less batteries)

T10 Ring Flash 1·86φ×18mm (3.1φ×0.7"), 95g (3.4oz.)

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ACCESSORY SHOE 1



Summary

- The Accessory Shoe 1 is mounted on the OM camera pentaprism housing to support the electronic flash unit and complete the synch circuit.

Main Characteristics

- Cordless, direct hot shoe. Can be attached to, and detached from, the camera permitting smooth camera handling when the flash is not used.

Notes · Related Units

- As it has only one contact pin, the unit cannot be used for TTL Centralized Control Flash (TTL AUTO).
- When a side-mounting bracket type flash unit is connected to the camera, you may feel a small electric shock if you touch the direct contact. Since the Accessory Shoe is not required, it should be detached.

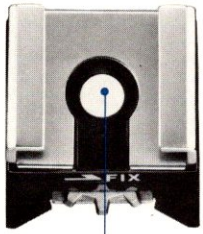
OM ACCESSORY SHOE 1



● **Shoe**
Accepts hot-shoe mount of electronic flash or Remote Sensor.

● **Direct Contact Pin**
Connects to camera's synch circuit.

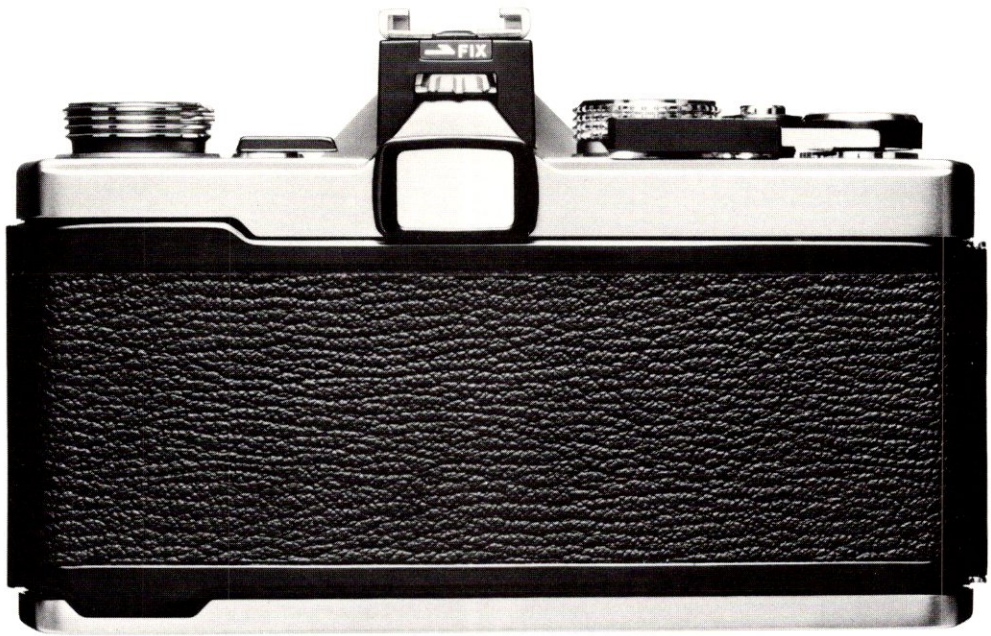
● **Clamping Knob**



● **Direct Contact Point**
Connects directly to electronic flash. Setting of synch terminal (X or FP) is made with camera's flash selector lever.



● **Protective Cover**
Prevents scratching camera surface.



OLYMPUS

ACCESSORY SHOE 2



Summary

- The 2-pin type Accessory Shoe 2 is mounted to the OM-2 pentaprism housing to support the Quick Auto 310 and complete the synch/TTL Direct Light Measuring circuit.

Main Characteristics

- Combined with the OM-2 and Quick Auto 310, it permits TTL AUTO flash operation.
- This cordless, direct hot shoe can be detached from the OM-2 for smoother handling when the Quick Auto 310 is not mounted.

Notes • Related Units

- As it has two contact pins, the unit cannot be mounted to the OM-1.
- Electronic flash units other than the Quick Auto 310 can also be fitted to the Accessory Shoe 2 for NORMAL AUTO and MANUAL flash operation.
- When a side-mounting, L-bracket type flash unit is connected to the camera, you may feel a small electric shock if you touch the direct contact. Since the Accessory Shoe is not required, it should be detached from the camera.

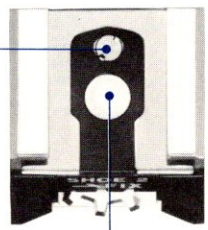
OM ACCESSORY SHOE 2



● Shoe
Accepts hot-shoe mount of electronic flash or TTL Auto Cord 0.6m.

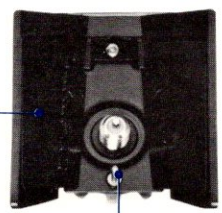
● Direct Contact Pin
Connects to camera's synch circuit.

● Clamping Knob



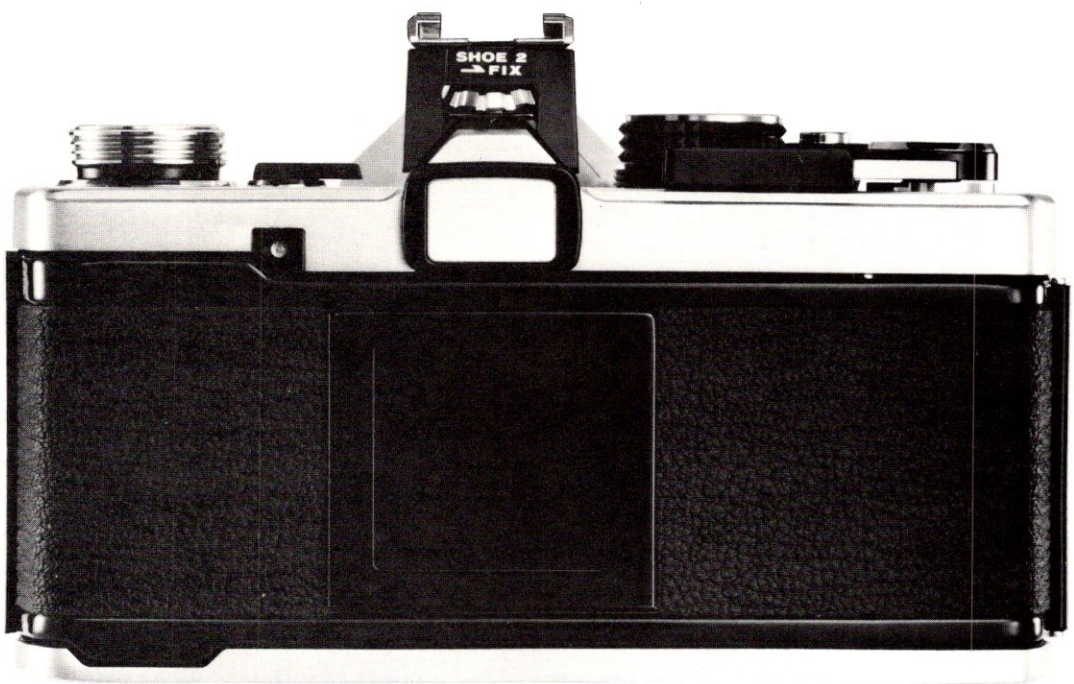
● TTL AUTO Contact Point
Connects to TTL AUTO contact of Quick Auto 310.

● Direct Contact Point
Connects to synch contact of electronic flash unit. Setting of synch terminal (X or FP) is made with camera's flash selector lever.



● Protective Cover
Prevents scratching camera surface.

● TTL AUTO Contact Pin
Connects to OM-2's TTL Direct Light Measuring circuit.



OLYMPUS

BOUNCE GRIP



Summary

- The Bounce Grip serves as a holder for bounce flash operation and as a battery holder for the Quick Auto 310.

Main Characteristics

- The Quick Auto 310/Bounce Grip combination works as 1) a higher output power source operating on four 1.5V "C" batteries, 2) a grip type electronic flash unit, and 3) a bounce flash unit. It also permits auto bounce/off-camera flash in conjunction with the Remote Sensor or the TTL Auto Cord 0.6m.
- The unit consists of a grip and a bracket for convenience in carrying and storing. The bracket with a built-in synch cord connects to the grip instantly.

Notes • Related Units

- Four 1.5V "C" batteries are used.
- Ni-Cd batteries may not be used.
- The Remote Sensor (p.331) is required for NORMAL AUTO bounce flash with OM-1, OM-2 or other camera/Quick Auto 310/Accessory Shoe 1/Bounce Grip combination.
  The TTL Auto Cord 0.6m (p.342) is required for TTL AUTO bounce flash with OM-2/Quick Auto 310/Accessory Shoe 2/Bounce Grip combination.

OM BOUNCE GRIP



Grip Section

● Power Plug
Connects directly to external power socket of Quick Auto 310.

● Nonslip Pin
Prevents flash unit from falling, in addition to lock knob of Quick Auto 310.

● Nonslip Button
Press to recess Nonslip Pin when detaching flash unit.

● Power Switch
ON/OFF switch for internal "C" batteries. Simultaneous use with "AA" batteries (inside Q.A. 310) reduces recycling time.

● External Power Socket
Accepts output plug of F. AC Adapter (AC transformer) or 315V Power Pack (layer battery), if required.

● Battery Chamber Cover (Baseplate)
Ni-Cd batteries may not be used.

● Bounce Head
Adjustable angle from 75° upward to 15° downward; ratchet click at 15° increments; graduated.

● Head Clamp
Locks Bounce Head.

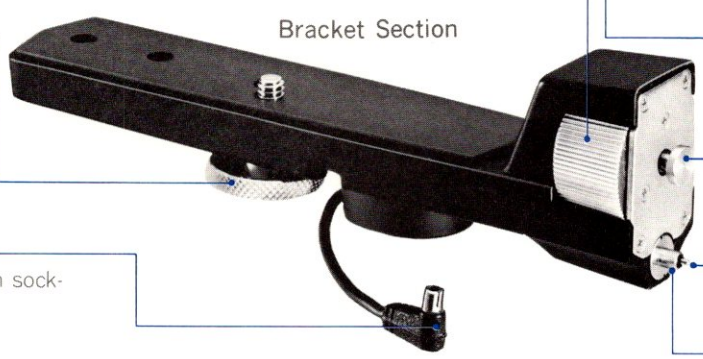
● Bracket Mount

● Guide Groove
Bracket is slid to desired flash height (max. 65mm). Never poke any metallic object into Groove as it will cause electric shock.

● Bracket Clamp
Fastens Bracket to Grip firmly by means of Mounting Pin below.

● Mounting Pin
Protrudes whe Bracket Clamp is turned.

Bracket Section



● Tripod Screw
Any one of four tripod sockets can be used to suit camera types.

● Built-in Synch Cord
Fits into camera's synchronization socket; short and functional.

● Contact Pin
Connects directly to Grip circuit.

● Guide Pin
To attach Bracket to Grip, first insert Mounting Pin into round hole atop Guide Groove, and Guide Pin into groove underneath.

● Main Specifications

Type: Bounce grip/battery holder, with bracket	NORMAL AUTO bounce/off-camera flash—OM-1	**Size & weight:** Grip unit—164×72×40 mm, 200 g
Batteries: 1.5V C battery×4 (manganese or alkaline)	or -2+Accessory Shoe 1+Remote Sensor+Quick	(less batteries) (6 1/2×2 7/8×1 5/8 in., 7.1 oz.);
Flashes per set of "C" batteries: Alkaline—250~	Auto 310+Bounce Grip	Bracket unit—172×46×33mm, 180g (6 3/4×
over 1000 in auto operation	TTL AUTO bounce/off-camera flash—OM-2+ Ac-	1 3/4×1 1/4 in., 6.3 oz.)
Recycling time with "C" batteries: 0.2~8 sec.	cessory Shoe 2+TTL Auto Cord 0.6m+Quick	
Automatic Bounce/Off-camera flash control:	Auto 310+Bounce Grip.	

OLYMPUS

TTL AUTO CONNECTOR TYPE 3



Summary

- This unit is designed exclusively for use with the OM-2 (without "N" designation) to accept the TTL Auto* Cord T for off-camera flash operation.

*TTL Auto is an exclusive OLYMPUS flash system in which the flash emission is measured off the film plane by the OM-2's TTL Direct (OTF) Light Measuring sensors, and the flash unit is controlled directly by the camera.

Main Characteristics

- The unit is screwed into the camera hot shoe socket when necessary, in place of the accessory shoe.
- The TTL Auto Cord T is locked in mechanically when fully inserted into the socket, preventing accidental removal during flash operation.

Notes · Related Units

- OM-2N cannot be used with this unit.
- For compatible camera/Connector/flash combinations, refer to the next page.

OM SYSTEM TTL AUTO CONNECTOR TYPE 3

● Direct Contact Pin
Connects to the synch circuit of OM-2. The red dot on the X and FP flash selector must be aligned to "x".



● Clamping Knob

● TTL Auto Cord Socket





● Protective Cover
Prevents scratching camera surface.

● Flash Coupling Contact Pin
Connects to TTL AUTO circuit of OM-2.



Actual Size

■USE THE RIGHT TTL AUTO CONNECTOR

Please consult this table to determine the correct connector for your camera and flash equipment.

camera	Type 3	Type 4
OM-1N	—	Electronic Flash T32 Electronic Flash T20 T Power Control 1
OM-2N	—	Electronic Flash T32 TTL Auto Electronic Flash T20 TTL Auto T Power Control 1 TTL Auto
OM-1	—	—
OM-2	Electronic Flash T32 TTL Auto Electronic Flash T20 TTL Auto T Power Control 1 TTL Auto	—

NOTE

1) Combinations of items printed in blue provide viewfinder charge/auto check indication.
2) TTL Auto signifies the capability of Centralized Control (TTL Auto), Normal Auto and Manual flash operation.
3) The combinations without the rectangular mark above allow Normal Auto and Manual flash operation. (Not TTL Auto)
4) Flash is not possible with combinations not listed in the table.

OLYMPUS

TTL AUTO CONNECTOR TYPE 4



Summary

- This unit is designed exclusively to allow the OM-2N and OM-1N to accept the TTL Auto Cord T for off-camera flash operation.

*TTL Auto is an exclusive OLYMPUS flash system in which the flash emission is measured off the film plane by the OM-2's TTL Direct (OTF) Light Measuring sensors, and the flash unit is controlled directly by the camera.

Main Characteristics

- Screwed into the hot shoe socket when necessary, in place of the accessory shoe.
- The TTL Auto Cord T is locked in mechanically when fully inserted into the socket, preventing accidental removal during flash operation.

Notes · Related Units

- It performs off-camera TTL AUTO* flash with OM-2N and T-series electronic flash units. It can also be used with OM-1N for off-camera NORMAL AUTO and MANUAL flash to provide the LED viewfinder information.
- For compatible camera/Connector/flash combinations, refer to the next page.

OM TTL AUTO CONNECTOR TYPE 4

● Direct Contact Pin
Connects to X synch circuit of OM-2N (or OM-1N).



● Clamping Knob

● TTL Auto Cord Socket





● Protective Cover
Prevents scratching camera surface.

● Flash Coupling Contact Pins
Connect to TTL AUTO circuit of OM-2N.



Actual Size

■USE THE RIGHT TTL AUTO CONNECTOR

Please consult this table to determine the correct connector for your camera and flash equipment.

camera	Type 3	Type 4
OM-1N	—	Electronic Flash T32 Electronic Flash T20 T Power Control 1
OM-2N	—	Electronic Flash T32 TTL Auto Electronic Flash T20 TTL Auto T Power Control 1 TTL Auto
OM-1	—	—
OM-2	Electronic Flash T32 TTL Auto Electronic Flash T20 TTL Auto T Power Control 1 TTL Auto	—

NOTE

1) Combinations of items printed in blue provide viewfinder charge/auto check indication.
2) TTL Auto signifies the capability of Centralized Control (TTL Auto), Normal Auto and Manual flash operation.
3) The combinations without the rectangular mark above allow Normal Auto and Manual flash operation. (Not TTL Auto)
4) Flash is not possibie with combinations not listed in the table.

OLYMPUS

TTL AUTO CONNECTOR T20



Summary

- This modular hot shoe provides the T20 with a TTL Auto* cord socket for off-camera use, hand-held or tripod mounted.

*TTL Auto is an exclusive OLYMPUS flash system in which the flash emission is measured off the film plane by the OM-2's TTL Direct (OTF) Light Measuring sensors, and the flash unit is controlled directly by the camera.

Main Characteristics

- It enhances the T20's functionality for close-up work, macrophotography, etc.
- Having a tripod socket on the bottom, it can also offer stability for the T20 or T32 in off-camera flash operation.

Notes • Related Units

- Flash units other than T-series can also be used.
- To mount the flash unit, slip it into the shoe with the flash surface facing forward (and connector's TTL Auto cord socket facing backward).

OM SYSTEM TTL AUTO CONNECTOR T20

● TTL Auto Cord Socket



● Shoe
Accepts hot shoe mount of T-series flash unit.



● Flash Coupling Terminal

● Direct Contact Point



● Tripod Screw Hole



Slip the flash unit into the shoe as shown.

Actual Size

OLYMPUS

REMOTE SENSOR



Summary

- The Remote Sensor coupled with the Quick Auto 310 (+ Bounce Grip + Accessory Shoe 1 or 2 + OM-1, OM-2 or other camera) enables the photographer to easily perform NORMAL AUTO bounce flash operation.

Main Characteristics

- Offers the choice of 3 apertures (F4, F5.6 and F8 with ASA 100 film) for NORMAL AUTO, and full output flash for MANUAL mode allowing one-touch switching.

Notes · Related Units

- Quick Auto 310 (p.302).
- To operate with the OM-1, Accessory Shoe 1 (p. 311).
- With cameras not provided with hot shoe, Synchro Cord 0.6m must be employed. (p. 341)
- Thh Bounce Grip allows simple NORMAL AUTO bounce flash operation (p.313). Then, the built-in synch cord of the bracket unit should be put back into its storage groove: otherwise, the Quick Auto 310 will not function.
- TTL AUTO bounce flash operation requires Quick Auto 310/Bounce Grip/Accessory Shoe 2/OM-2/TTL Auto Cord 0.6m combination.

OM REMOTE SENSOR



- **Auto Sensor**
  Measures light reflected from subject and automatically shuts off flash when it reached the proper volume for correct exposure.
- **Hot-shoe Mount**
  Fits into Accessory Shoe.
- **Hot-shoe Contact**
- **Synchro Cord Socket**
  Accepts flash plug of Synchro Cord when a camera not provided with hot shoe is in use.
- **ASA Window**
- **Cord**
  Spiral type, extendable to 0.6m.
- **ASA Setting Button**
- **Auto F-number/Manual GN Window**
- **Sensor Plug**
  Fits into synchro cord socket of Quick Auto 310. Auto sensor of Quick Auto 310 is switched off automatically.
- **Auto/Manual Switch Dial Index**
- **Manual Setting (HI)**
  At this setting, Quick Auto 310 emits full power flash.
- **Rotating Dial**
- **Auto Aperture Marks**
  Align white triangle to F4, F5.6 or F8 symbol(at ASA 100, m)

Main Specifications

Type: Sensor for NORMAL AUTO bounce flash photography	**Sensor acceptance angle:** Approx. 20°
Mounting to camera: Accessory shoe slide-in type	**Bounce Flash:** With Bounce Grip
Electrical connection to camera: Direct contact or via Synchro Cord	**Manual:** Full power flash at HI (GN34 at ASA100)
Electrical connection to Quick Auto 310: Plug-in type	**ASA speed range:** ASA 25～1600 (1/3 step settings by rotating dial)
Operation modes: NORMAL AUTO/MANUAL dial setting	**Dimensions & weight:** 53×46×33mm, 70g (2 1/8×1 3/4×1 1/4 in., 2.5 oz.)
F-number setting: Choice of 3 apertures (F4, F5.6 and F8 in the case of ASA 100)	

OLYMPUS

SYNCHRO CORDS 0.6m/5m



Summary

- The Synchro Cord is used with the Quick Auto 310 for connection to cameras not provided with hot shoe, or for off-camera flash operation.

Main Characteristics

- The cord is available in two lengths-0.6m and 5m. The 0.6m cord is a spiral type.

Notes · Related Units

- The unit is connected to the Quick Auto 310 or Quick Auto 310/Bounce Grip combination.

OM SYSTEM SYNCHRO CORDS 0.6m/5m

● **Cord**
Extendable from 0.3m to 0.6m.

● **Flash Plug**
Fits into synchro cord socket of Quick Auto 310 or Remote Sensor.



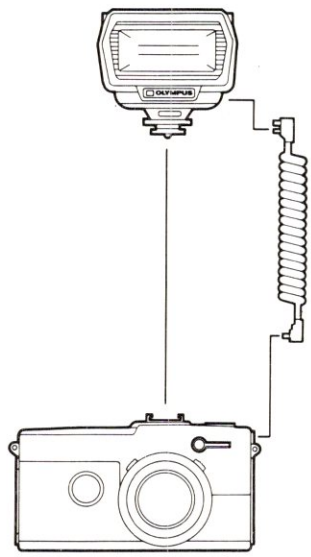
Synchro Cord 0.6m



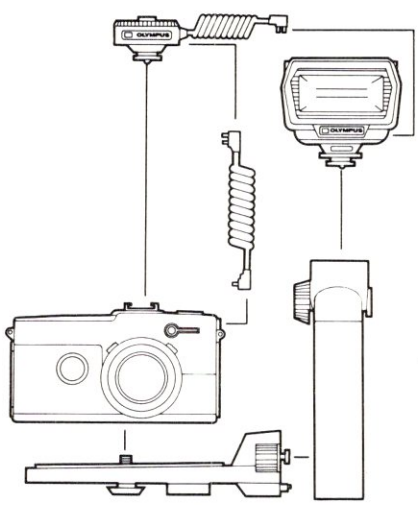
Synchro Cord 5m

● **Camera Plug**
Fits into camera's synchronization socket.

To connect Quick Auto 310 with a camera which is not provided with direct contact.



To connect Remote Sensor with a camera which is not provided with direct contact.



OLYMPUS

TTL AUTO CORD 0.6m



Summary

- The TTL Auto Cord 0.6m is required when the Quick Auto 310 is separated from the OM-2 for off-camera TTL AUTO flash, or bounce TTL AUTO flash operation.

Main Characteristics

- Spiral type, 0.6m (2 ft.) long.
- Attaches to the Accessory Shoe 2 and Quick Auto 310 instantly.

Notes • Related Units

- If any one of the OM-2+Accessory Shoe 2+Quick Auto 310+TTL Auto Cord 0.6 m is replaced with a different unit, off-camera TTL AUTO flash is not possible; the flash light is emitted on full output.
- Insertion of the unit's flash-plug into the synchro cord socket automatically sets the Quick Auto 310 to the TTL AUTO mode, even when the switch dial index is not set to the "TTL AUTO" mark.
- When the Bounce Grip is used in conjunction with the TTL Auto Cord 0.6m, the built-in synch cord of the bracket unit should be put back into its storage groove. If the built-in synch cord is plugged into the camera's synchronization socket, the Quick Auto 310 will not function.

OM SYSTEM TTL AUTO CORD 0.6m

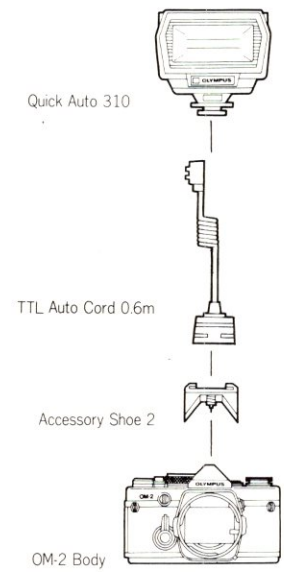
● **Flash-plug**
Fits into synchro cord socket of Quick Auto 310, which is then switched to TTL AUTO mode, regardless of dial setting.

● **Cord**

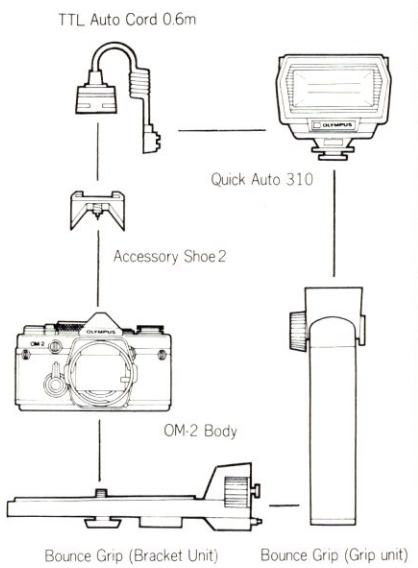
● **Camera-plug**
Allows one-way insertion to Accessory Shoe 2.



Off-camera TTL AUTO flash



Bounce TTL AUTO flash



OLYMPUS

TTL AUTO CORDS T 0.3/0.6/2/5m



Summary

- These extension cords are required for off-camera flash operation, to connect a T-series flash unit to the OM cameras(OM-2N, OM-2, OM-1N).

*TTL Auto is an exclusive OLYMPUS flash system in which the flash emission is measured off the film plane by the OM-2's TTL Direct (OTF) Light Measuring sensors, and the flash unit is controlled directly by the camera.

Main Characteristics

- They provide off-camera TTL AUTO* flash with the OM-2N (OM-2), and viewfinder Charge/Auto check indication with the OM-2N and OM-1N.
- The plug at each end is locked in mechanically when fully inserted into the terminal socket (TTL Auto Cord Socket), preventing accidental removal while in operation.
- Coupled with several TTL Auto Multi Connectors, off-camera flash as remote as 30m (98ft) is possible.
- The cords are available in 4 lengths --0.3m, 0.6m, 2m and 5m.

Notes · Related Units

- Flash units other than T-series cannot be used.
- To unplug the cord, hold the metal ring (not the cord) tightly and pull.
- TTL Auto Connector (Type 4 for OM-2N, OM-1N; Type 3 for OM-2 without "N" designation) must be mounted to the camera in place of the accessory shoe.
- For use with T20, the TTL Auto Connector T20 is required.

TTL AUTO Cord T0.3m
Stock NO. 107-065
TTL AUTO Cord T0.6m
Stock NO. 107-066
TTL AUTO Cord T2m
Stock NO. 107-067
TTL AUTO Cord T5m
Stock NO. 107-068

OLYMPUS

OM SYSTEM TTL AUTO CORDS T 0.3/0.6/2/5m

TTL Auto Cord T 0.3 m



● Plug
Fit the plug into the terminal socket lightly turning right and left until the postioning grooves align, then push in. To remove, hold the metal ring tightly and pull.

● Cord

● Plug
The plugs at each end are identical.

TTL Auto Cord T 0.6m



● Cord
Spiral type, extendable from 0.3 m to 0.6 m.

TTL Auto Cord T 2m

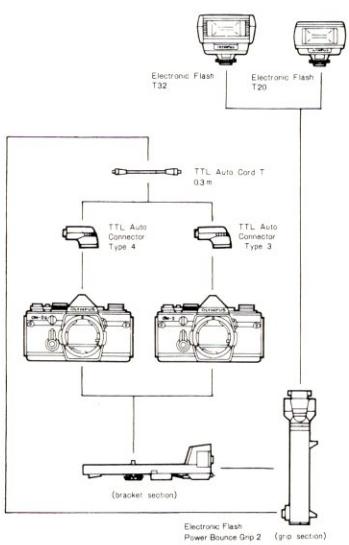


TTL Auto Cord T 5m

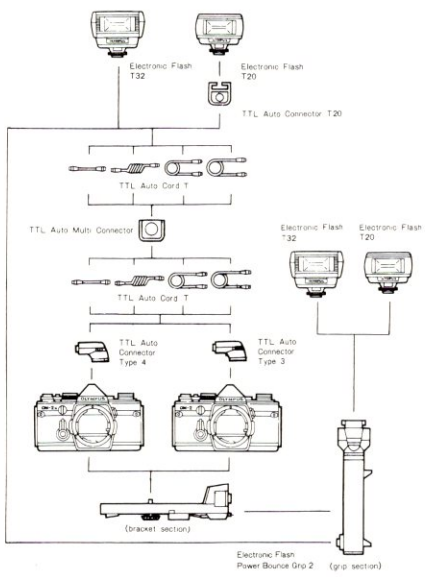


● Applications

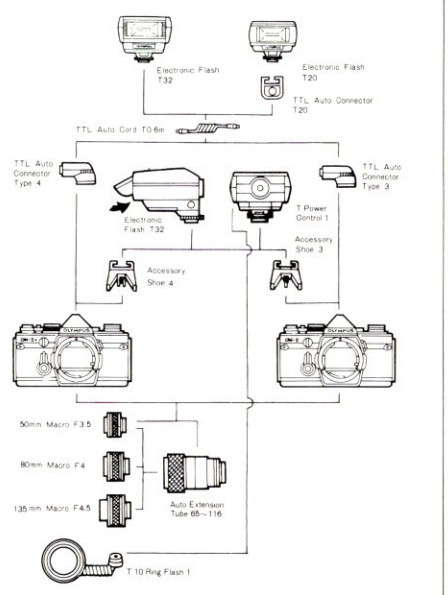
Bounce Flash



Multi Flash



Macro Flash



OLYMPUS

TTL AUTO MULTI CONNECTOR



Summary

- The multi-flash connector allows 2 or 3 T-series flash units to be combined to perform simultaneous multi-unit flash photography.
  (Quick Auto 310 cannot be used.)

*TTL Auto is an exclusive OLYMPUS flash system in which the flash emission is measured off the film plane by the OM-2's TTL Direct (OTF) Light Measuring sensors, and the flash unit is controlled directly by the camera.

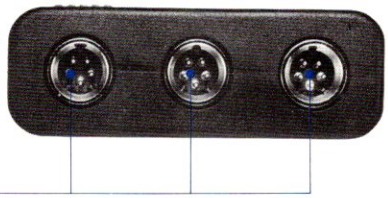
Main Characteristics

- Simultaneous flash with up to 9 flash units can be performed in TTL Auto* mode.
- Using several multi-flash connectors, the length of the TTL Auto Cords can be extended as long as 30m (98 ft.) for TTL Auto remote flash photography.

Notes · Related Units

- Flash units other than T-series cannot be used.
- The calculator panel of each flash unit should be set in the "full automatic control by OM-2" position.
- Before connecting the TTL Auto Cord, switch off the flash unit.
- Start taking pictures after the charge lamp in the viewfinder (OM-2N, OM-1N) or on the back of each flash unit (OM-2 without "N" designation) lights up.

OM SYSTEM TTL AUTO MULTI CONNECTOR



● **TTL Auto Cord Sockets**
Normally accept TTL Auto Cords coming from the flash units.



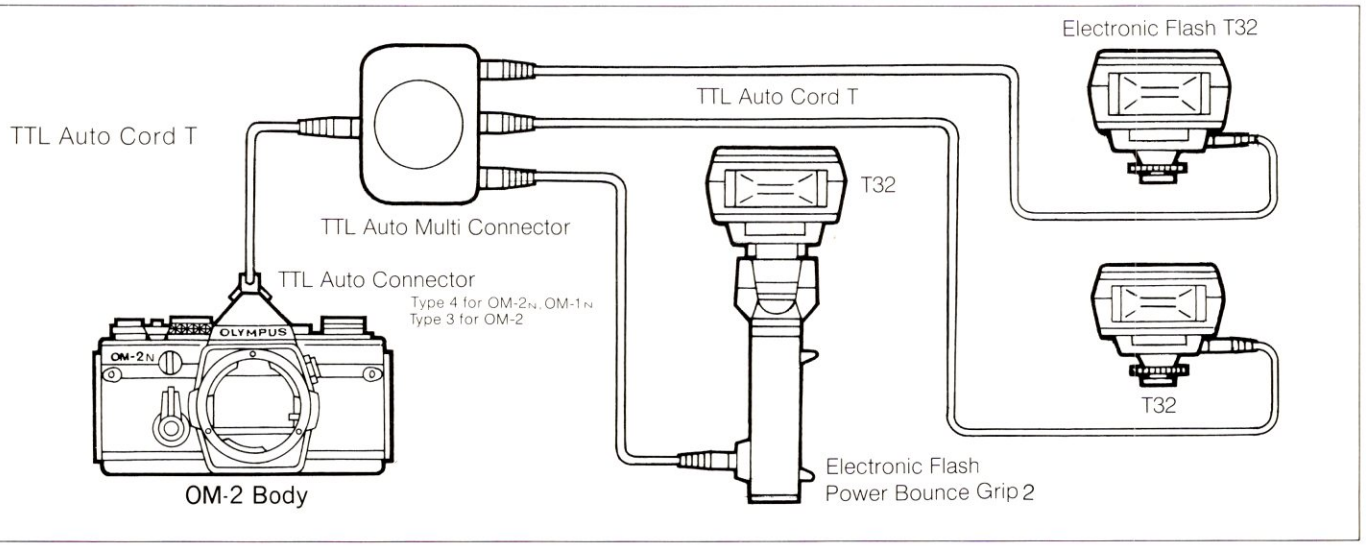
● **Main Body**
Rugged construction withstands weight when stepped on accidentally.

● **TTL Auto Cord Socket**
Accepts a TTL Auto Cord coming from either the camera or another Multi Connector.



Actual Size

● Simultaneous flash with 3 T32s



OLYMPUS

POWER BOUNCE GRIP 2



Summary

- The Power Bounce Grip 2 converts the T32 (or T20) into a grip type electronic flash unit. (Quick Auto 310 cannot be used with this unit.)

Main Characteristics

- It consists of a grip and a bracket for convenience in carrying and storage. The grip contains 4 "C" batteries (incl. Ni-Cd) to provide a powerful supplementary power source.
- The bounce head can be turned in almost all directions allowing free choice of bounce and close-up flash photography.
- The ON/OFF switch on the electronic flash unit activates both "AA" batteries inside it and "C" batteries inside the grip, shortening recycling time.
- The camera can be mounted to either the right or left-hand side of the grip by swiveling the bounce head 180°.
- The motor drive release button equipped on the grip permits comfortable motor drive photography.

Notes · Related Units

- Five tripod screw holes on the bracket allows free choice of camera position.
- TTL Auto Cord T and TTL Auto Connector are required for electric connection with the OM-2N, OM-2 and OM-1N. The synch cord built into the bracket is for NORMAL AUTO and MANUAL flash operation with the OM-1 and other cameras provided with a synch socket.
- M. Grip Cord is required to electrically connect the Bounce Grip 2 with the Motor Drive 1/M. 15V Ni-Cd Control Pack 1(or Winder).
- The batteries must be removed from the grip when the unit is not to be used for long periods.

OLYMPUS

Power Bounce Grip2
Stock NO. 107-021

OM SYSTEM POWER BOUNCE GRIP 2

● **Power Plug**
Connects directly to external power socket of Electronic Flash T32 (or T20).

● **Bounce Head Lock Lever**
Fastens the bounce head in one motion.

● **External power Socket**
Accepts output plug of Electronic Flash AC Adapter 2 (AC transformer).

● **Motor-drive Release Button**
Allows operation of the Motor Drive or Winder by the hand holding the unit.

● **TTL Auto Cord Socket**



● **Bounce Head**
Can be angled 90° up, 20° down, 60° right and 240° left.

● **M. Grip Cord Socket**
Accepts the M. Grip Cord for electrical connection with Motor Drive or the Winder unit.

● **Bracket Mount**
Can be attached or detached in one simple operation.

● **Guide Groove**
Bracket is slid to desired flash height (max. 50mm). Never poke any metallic object into Groove as it will cause electric shock.

● **Battery Compartment Cover (Baseplate)**
"C" Ni-Cd batteries can also be used.

Grip Section

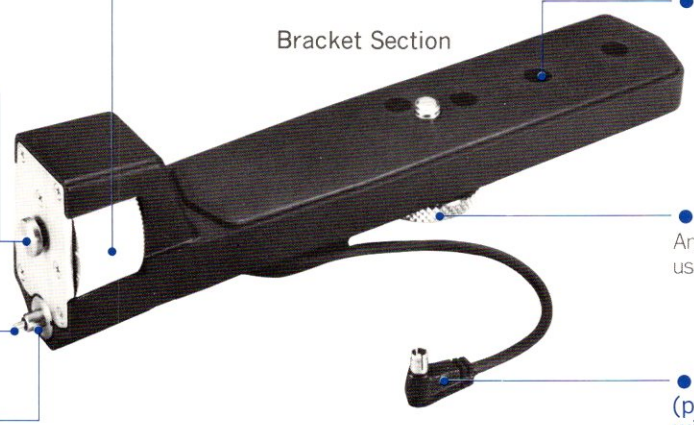
● **Bracket Clamp**
Fastens Bracket to Grip firmly by means of Mounting Pin below.

● **Mounting Pin**
Protrudes when Bracket Clamp is turned.

● **Contact Pin**
Connects directly to Grip circuit.

● **Guide Pin**
To attach Bracket to Grip, first insert Mounting Pin into round hole atop Guide Groove, and Guide Pin into groove underneath.

Bracket Section



● **Tripod Screw Hole**

● **Tripod Screw**
Any one of five tripod sockets can be used to suit camera types.

● **Built-in Synch Cord (primarily for OM-1 without "N" designation)**
Fits into camera synchro socket; short and functional.

● Main Specifications

Type: Bounce grip/bracket unit exclusively for use with Olympus T-series electronic flash units T32 and T20.

Applicable batteries: 1.5V "C" battery X 4 (incl. Ni-Cd).

Number of flashes: 200~1,000 (Alkaline) on TTL AUTO and NORMAL AUTO (coupled with T32 batteries; varies depending on flash-to-subject distance).

Recycling time: 0.2~9 sec. (Alkaline) and 0.2~7 sec. (Ni-Cd) (coupled with T32 batteries; varies depending on flash-to-subject distance).

Bounce angle range: Up 90°, down 20°, right 60°, left 240°.

Connection of units: Flash + grip..... built-in hot connection point; grip + bracket..... instant slide-in connection, bracket height adjustable, fastened by clamping knob, direct electrical contact; bracket + camera..... screw clamping at 5 different positions, electrical contact (primarily with OM-1 and non-OM cameras) via synch cord built in bracket; camera + flash..... via TTL Auto Cord T0.3m and TTL Auto Connector Type 4 (OM-2N, OM-1N) or Type 3 (OM-2).

Dimensions and weights:
Grip section-197×56×49mm (7.8"×2.2"×1.9")
320gr (11oz.) (less batteries)
Bracket section-172×46×33m (6.8"×1.8"×1.3")
210gr. (7.4oz.)

OLYMPUS

ELECTRONIC FLASH ZOOM ADAPTER T32



Summary

- Fitted to the Electronic Flash T32, this light condensing adapter extends the flash working range.

Main Characteristics

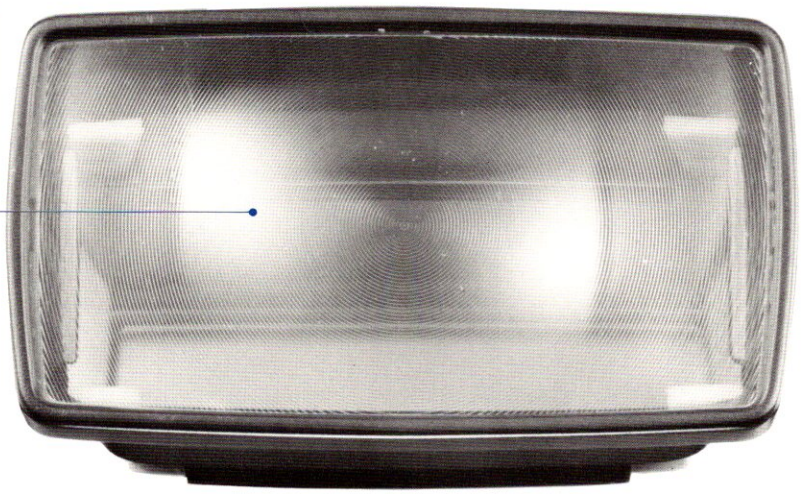
- The intensity of the T32 is raised to a maximum of 42 guide number (in meters) or 138 (in feet) at ASA 100 by fully extending the inner frame.
- OM System lenses of 50 mm and longer are applicable.

Notes · Related Units

- Exclusively for use with the Electronic Flash T32.
- For zoom flash the bounce mechanism built into the T32 can be turned as far as 90° upward. But downward tilting of 15° is not possible and should not be forced.
- TTL "OTF" Auto or Manual flash can be achieved (not Normal Auto).
- Do not wipe the unit with harsh chemicals. Do not damage the flash window (Fresnel lens).
- Mounting to the T32 is the same as the color filter (p.362 reverse).

OM SYSTEM ELECTRONIC FLASH ZOOM ADAPTER T32

● Flash Window
(Fresnel lens)



● Focal-length Indicator Window
Each value (50, 75, 100, 135mm) indicates the shortest lens applicable at each setting.



● Inner Frame
Slide this frame in or out until the focal-length indicator window shows the value equal to, or smaller than, the focal length of the lens being used.

Setting to the contrary (e.g. "100" with a 80mm lens) will cause picture edges to darken.

● Dust Cover

Actual size

GN (m, ASA100)/LIGHT COVERAGE TABLE

Focal-length Indicator	GN (feet scale)	Light Coverage
		vertical × horizontal
50	36 (118)	33° × 46°
75	38 (125)	25° × 35°
100	40 (131)	21° × 28°
135	42 (138)	17° × 24°

TTL "OTF" Auto Range (ASA100)

Indicator / F-stop	135	100	75	50
22	24～190cm (0.8～6.2)ft.	23～180cm (0.8～5.9)ft.	22～170cm (0.7～5.6)ft.	20～160cm (0.7～5.2)ft.
16	33～260 (1.1～8.5)	31～250 (1.0～8.2)	30～230 (1.0～7.5)	28～220 (0.9～7.2)
11	48～380 (1.6～12.5)	45～360 (1.5～11.8)	43～340 (1.4～11.2)	41～330 (1.3～10.8)
8	66～520 (2.2～17)	63～500 (2.1～16.4)	60～470 (2～15.4)	57～450 (1.9～14.8)
5.6	100～750 (3.3～24.6)	90～700 (3.0～23.0)	85～670 (2.8～22)	80～640 (2.6～21)
4	130～1050 (4.3～34.4)	125～1000 (4.1～32.8)	120～950 (3.9～31.2)	110～900 (3.6～29.5)
2.8	190～1500 (6.2～49.2)	180～1400 (5.9～45.9)	170～1300 (5.6～42.7)	160～1200 (5.2～39.4)
2	260～2100 (8.5～68.9)	250～2000 (8.2～65.6)	240～1900 (7.9 62.3)	230～1800 (7.5～59.1)

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ELECTRONIC FLASH WIDE ADAPTER ·ND FILTER SET T32 & COLOR FILTER SET T32



Summary

- These filters are designed exclusively for use with the Electronic Flash T32.

Main Characteristics

WIDE ADAPTER·ND FILTER SET

- The Wide Adapter (milky white) increases the T32's angle of coverage to the picture area of a 21 mm super wide-angle lens and also provides diffused, more natural lighting.
  The guide number decreases to 22 (in meters) or 72 (in feet) at ASA 100.
- The ND Filters reduce the quantity of flash light without affecting color quality. The guide number is decreased to 16 (ND 4) and 11 (ND 8), respectively.

COLOR FILTER SET
(red, blue, yellow, orange, green)

- Used for special color effects.

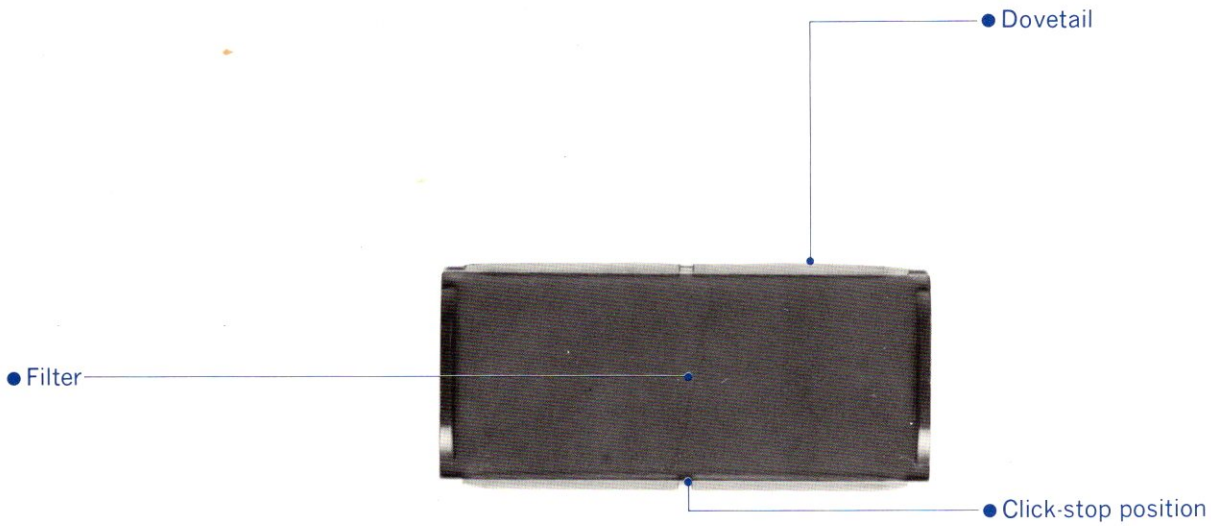
Notes · Related Units

- Exclusively for use with the Electronic Flash T32.
- With the color filters, use the T32 in TTL "OTF" Auto or Manual mode.
- To clean, wipe with a dry, soft cloth. Do not wipe with organic solvents (alcohol, thinner, etc.).

Wide Adapter·ND Filter Set T32
Stock NO. 107-045
Color Filter Set T32
Stock NO. 107-046

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OM SYSTEM ELECTRONIC FLASH WIDE ADAPTER·ND FILTER SET T32 & COLOR FILTER SET T32



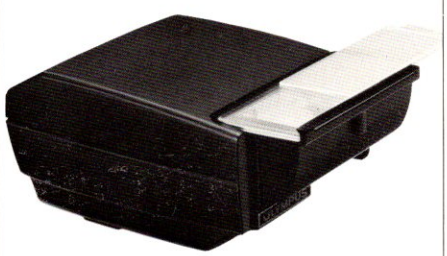
Actual size

■Attaching to the T32

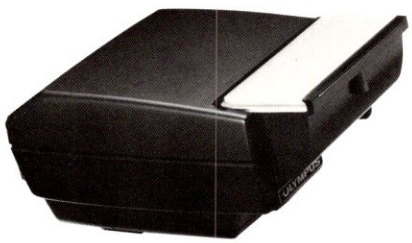
① Turn the T32's diffuser window fully upward (90°).



② Slide the filter into the dovetail grooves



③ until it stops with a click



TTL "OTF" Auto Range (ASA 100)

F-stop	Wide Adapter GN22(72)		ND4 GN 16(53)		ND 8 GN 11(37)	
	cm	(ft.)	cm	(ft.)	cm	(ft.)
22	13~ 100	0.43~ 3.3	9~ 70	0.30~ 2.3	7~ 50	0.20~ 1.6
16	17~ 130	0.56~ 4.3	13~100	0.43~ 3.3	9~ 70	0.30~ 2.3
11	25~ 200	0.82~ 6.6	17~130	0.56~ 4.3	13~100	0.43~ 3.3
8	35~ 270	1.10~ 8.9	25~200	0.82~ 6.6	17~130	0.56~ 4.3
5.6	50~ 390	1.60~12.8	35~270	1.10~ 8.9	25~200	0.82~ 6.6
4	70~ 550	2.30~18.0	50~390	1.60~12.8	35~270	1.10~ 8.9
2.8	100~ 780	3.30~25.6	70~550	2.30~18.0	50~390	1.60~12.8
2	140~1100	4.60~36.1	100~780	3.30~25.6	70~550	2.30~18.0

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MOTOR DRIVE GROUP

❶ Motor Drive 1 ❷ Winder 1 ❸ M.18V Control Grip 1 ❹ M.18V Battery Holder 1 ❺ M.15V Ni-Cd Control Pack 1 ❻ M.15V Ni-Cd Charger 1
❼ M.AC Control Box ❽ Relay Cord 1.2m ❾ Relay Cord 10m ❿ 250 Film Back 1 ⓫ 250 Film Magazine ⓬ 250 Film Loader ● M.6V Power Pack 1

MOTOR DRIVE 1



Summary

- Basic motor drive unit that forms the core of the group. Fixed directly to the camera baseplate, it functions integrally with the OM camera body to perform high-speed sequence/single frame advance motor drive photography, operating on various power supplies.

Main Characteristics

- Incomparably compact and lightweight.
- A maximum sequential filming speed of 5 frames per second without mirror lock-up is the fastest among motor drives generally available on the market.
- In single mode, pressing of the shutter release button completes film wind-on following exposure, thus setting the camera ready for next shot — a big advantage in assuring split-second readiness over its counterparts that require the finger to be taken off the button to initiate wind-on.
- Solid-state circuit prevents wind-on during shutter opening and after last exposure.

Notes • Related Units

- Power units for Motor Drive 1 — M. 18V Control Grip 1 (p.411), M. 15V Ni-Cd Control Pack 1 (p. 412) and M. AC Control Box (p. 414).
- Early OM-1 models not prepared for motor drive use can be modified for a nominal charge at authorized Olympus service centers.

OM MOTOR DRIVE 1

● **Shutter Release Coupling Pin**

● **Film Advance Claw**
Couples with camera's wind-on shaft.

● **Socket Cap Storage**
Holds removed motor drive socket cap.

● **Camera Coupling Terminal**
Shuts off film wind-on during shutter opening.

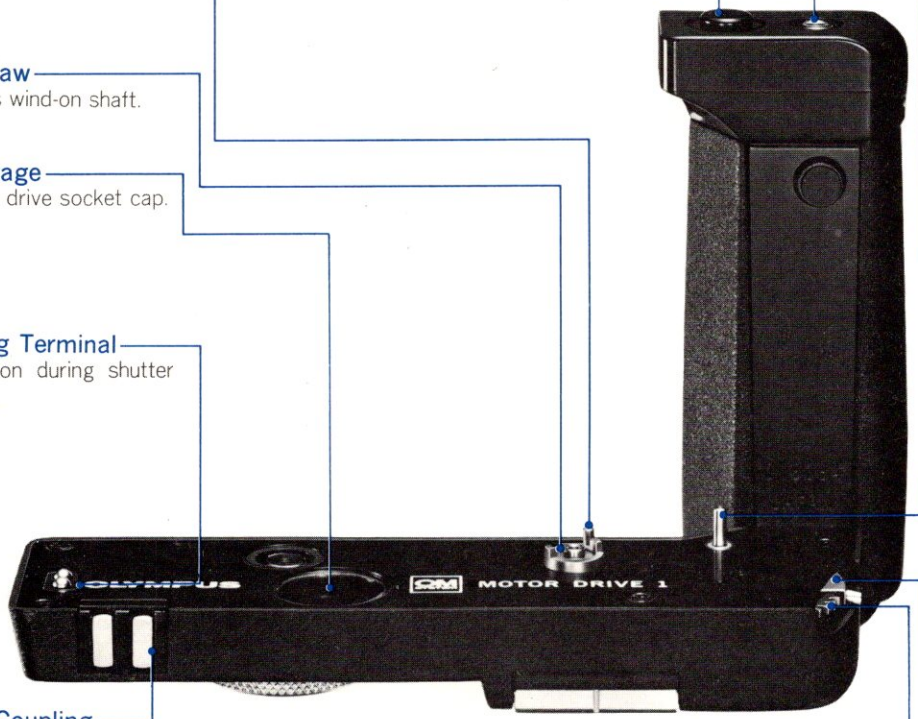
● **250 Film Back Coupling Terminal**
Connects directly to terminal of 250 Film Back 1 and automatically stops wind-on when its pre-set exposure counter has reached "0".

● **Shutter Release Button**

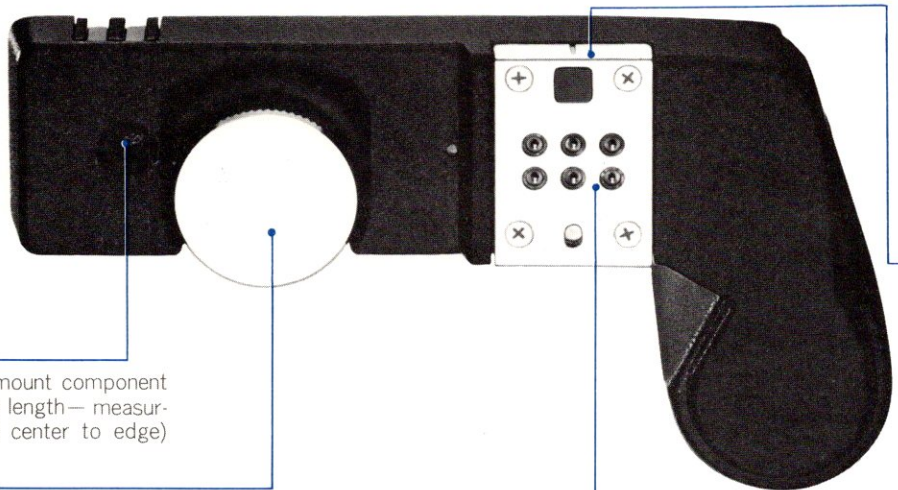
● **Remote Control Jack (2.5mmϕ)**
Accepts output plug of remote control apparatus.

● **Guide Pin**
Positions Motor Drive 1 to camera baseplate for quick and easy connection.

● **Gear Cover**
Uncovers to reveal 250 Film Back Coupling Gear.



Actual size



● **250 Film Back Coupling Gear**
Engages with motor coupling gears of 250 Film Back 1.

● **Power Supply Mount**
Accepts M. 18V Control Grip 1, M.15V Ni-Cd Control Pack 1 or Relay Cord in one step.

● **Tripod Socket**
Tripods with camera mount component as long as 43mm (half length— measured from tripod screw center to edge) can be used.

● **Clamping Screw**
Fastens Motor Drive 1 to camera baseplate.

● **Terminal Contacts**

● Main Specifications

Camera: OM-1 and OM-2 cameras.

Film advance: 5 frames per second maximum continuous filming without mirror lock-up, or single frame advance.

Shutter speed: **OM-1** At "SINGLE"—1 to 1/1000 sec; at "SEQUENCE"—1/2 to 1/1000 sec.
OM-2 (AUTO)—Approx. 60 to 1/1000 sec. (MANUAL)—1 to 1/1000 sec. both at "SEQUENCE" and "SINGLE".

Power supply: M. 18V Control Grip 1 (12 AA batteries), M. 15V Ni-Cd Control Pack 1 (rechargeable) or M. AC Control Box.

Input voltage: DC 18V (AA batteries), 15V (Ni-Cd), 12~16V (other large potentiality DC power supplies)

Film: 12-, 20- and 36-exposure cartridges, and up to 250 exposures on 10m (33 ft.) bulk load film using 250 Film Back 1.

Others: Shutter release button and 2.5mm remote jack atop handgrip; solid-state circuit for automatic film wind stop after last exposure.

Dimensions: 116×64×80mm (4 5/8×2 1/2×3 1/8 in.)

Weight: 210gr. (7.4 oz.)

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OMIF · 0178T

WINDER 1 & M.6V BATTERY HOLDER 1



Summary

- Fixed directly to the camera base, the Winder 1 functions integrally with the OM camera body to perform automatic single-frame film advance, operating on four internally-fitted 1.5V AA batteries.

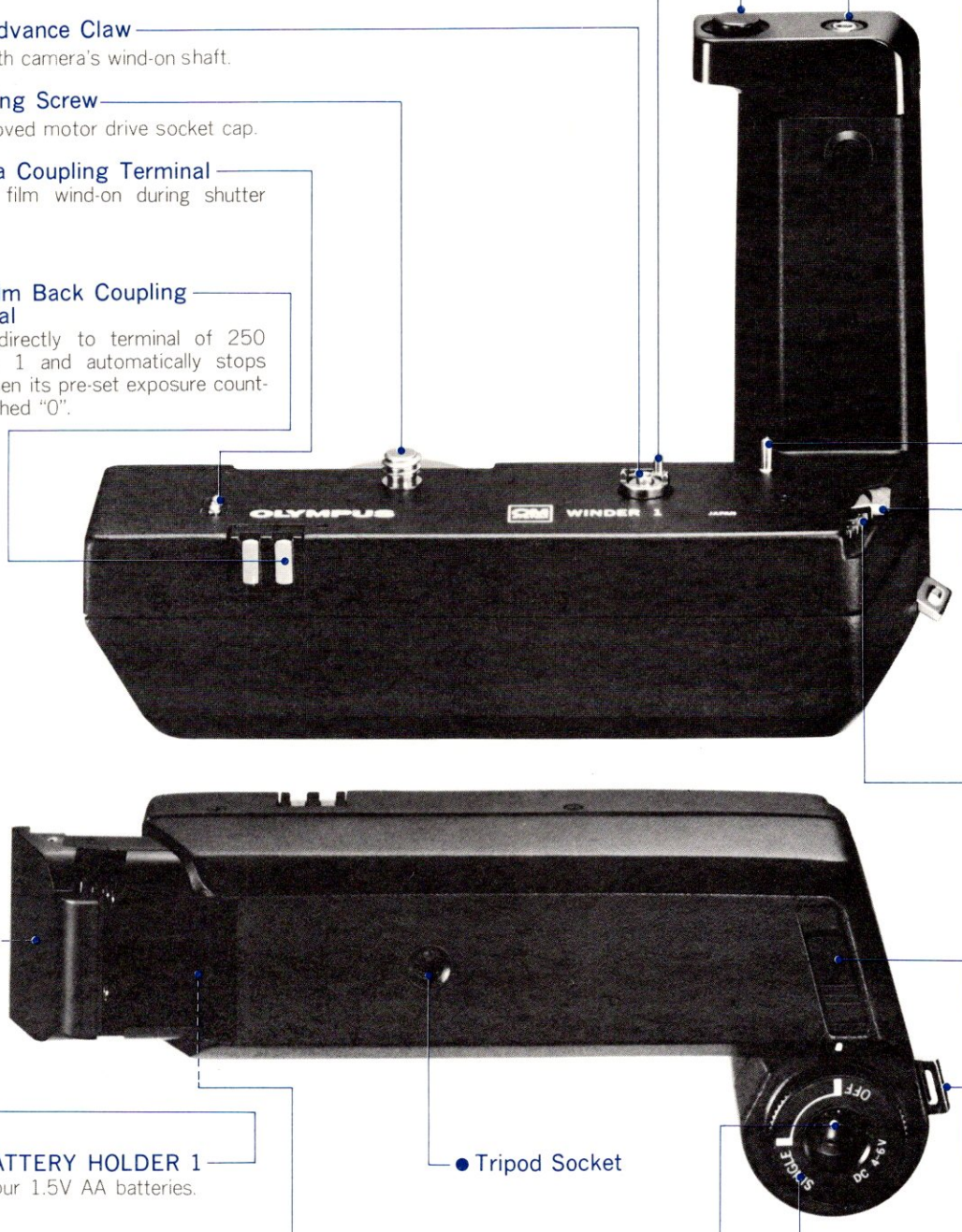
Main Characteristics

- Extremely small and lightweight.
- The film winding speed of 3 frames per second is the fastest among the winders usually available on the market.
- Once the shutter release button is pressed, the unit winds film by one frame and cocks the shutter as soon as exposure has been made: a significant advantage over its counterparts that require the finger to be taken off the button to initiate wind-on.
- Solid-state circuits automatically stop wind-on at the end of film roll.

Notes • Related Units

- Four 1.5V penlight batteries must be used. The batteries are loaded into the M. 6V Battery Holder 1, which in turn is inserted into the Winder 1.
- Early OM-1 models not made for motor drive use must be modified to accept the Winder 1. The camera can easily be modified at authorized Olympus factory service centers for a nominal charge.
- In extremely low temperatures, use of the M. 6V Control Pack 1 is recommended to prevent battery degradation (p.403).

OM WINDER 1 & M.6V BATTERY HOLDER 1



- **Shutter Release Coupling Pin**
- **Film Advance Claw**
  Couples with camera's wind-on shaft.
- **Clamping Screw**
  Holds removed motor drive socket cap.
- **Camera Coupling Terminal**
  Shuts off film wind-on during shutter opening.
- **250 Film Back Coupling Terminal**
  Connects directly to terminal of 250 Film Back 1 and automatically stops wind-on when its pre-set exposure counter has reached "0".
- **Shutter Release**
- **Remote Control Jack**
  Accepts 2.5-mm ϕ output plug of remote control apparatus.
- **Guide Pin**
  Serves as a positioning pin for quick mounting to camera baseplate.
- **Gear Cover**
  Be sure to uncover gears when coupling 250 Film Back 1.
- **250 Film Back Coupling Gear**
  Engages with gears of 250 Film Back 1.
- **Battery Holder Lock Button**
- **M. 6V BATTERY HOLDER 1**
  Contains four 1.5V AA batteries.
- **Tripod Socket**
- **Strap Eyelet**
- **External Power Jack**
  Accepts output plug of M. 6V Control Pack 1 or other large-potential DC power sources (max. 5.5V).
- **Socket Cap Storage**
  Holds removed motor drive socket cap (claw facing up).
- **Switch Dial**
  To set to "SINGLE", pull up and rotate.

Main specifications

Camera: OM-1 and OM-2 cameras.

Film advance: Single-release shooting, instant film wind after each exposure.

Operational time: Approx. 0.3 sec.

Shutter speed: *OM-1* 1 to 1/1,000 sec.
OM-2 (AUTO) Approx. 60 to 1/1,000 sec. (MANUAL) 1 to 1/1,000sec.

Power supply: Four 1.5V AA batteries including Ni-Cd rechargeable batteries; jack for external power source built in.

Battery loading: Snap-in, magazine type M. 6V Battery Holder 1.

Input voltage: DC 4-6V (DC 4-5.5V in case of external power source with large potentiality.)

Capacity: Approx. 20 rolls of 36-exposure film with a set of fresh Manganese batteries; approx. 50 rolls with Alkaline batteries.; approx. 15 rolls with Ni-Cd batteries at normal temperature.

Film: 12-, 20- and 36-exposure roll films, and up to 250 exposures on 10m (33ft.) bulk load film using 250 Film Back 1.

Dimensions: 130×64×100mm (5 1/8×2 1/2×3 7/8")

Weight: 290g (10.2 oz.)

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M.6V POWER PACK 1



Summary

- The M. 6V Power Pack 1 is a pocketable external power unit for the Winder 1. Warmed to 15°C (59°F) or over by the photographer's body heat, the unit allows operation of the Winder 1 in extreme temperatures as low as −10°C (14°F).

Main Characteristics

- Function in sub-zero environment
  At 0°C (32°F) with Power Pack temperature of 15°C (59°F) or over: Manganese −10 rolls of 36-exposure film; Alkaline−5 rolls; Ni-Cd−15 rolls.
  At −10°C (14°F) with Power Pack temperature of 15°C or over: Manganese−10 rolls; Ni-Cd−15 rolls.

Notes · Related Units

- Four 1.5V AA batteries are required.
- The unit must be kept at a temperature of 15°C or over in an inside coat pocket.
- When the unit is not used for long periods, remove the batteries to prevent leakage.

OM M.6V POWER PACK 1

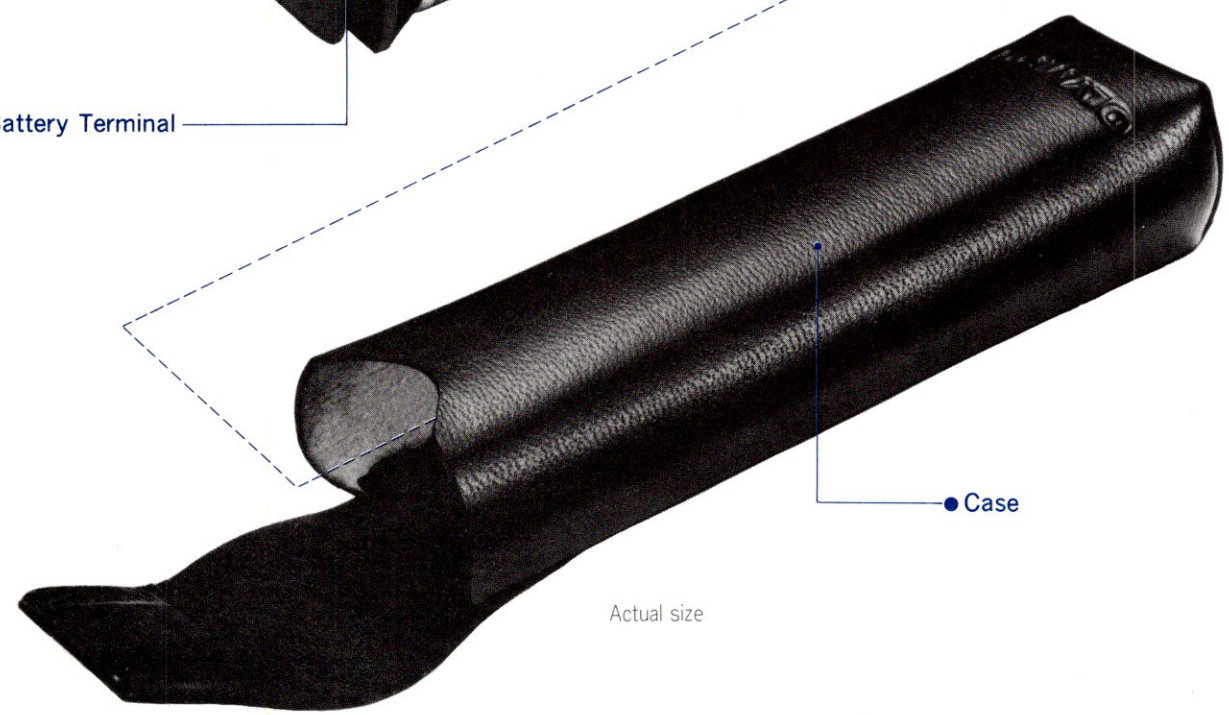
● Output Plug
Plugged into external power jack of Winder 1, internal batteries of which are switched off automatically.

● Cord
1.2m (4 ft.) long.

● Battery Holder



● Battery Terminal



● Case

Actual size

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WINDER2 & M.6V BATTERY HOLDER1



Summary

- Fixed directy to the camera base, the Winder 2 functions integrally with the OM camera body to perform automatic continuous or single frame film advance operating on four internally-fitted 1.5V AA batteries.

Main Characteristics

- Extremely small and lightweight.
- The film winding speed of 2.5 frames per second is the fastest among the winders usually available on the market.
- Once the shutter release button is pressed (at "SINGLE"), the unit winds film by one frame and cocks the shutter as soon as exposure has been made: a significant advantage over its counterparts that require the finger to be taken off the button to initiate wind-on. At "SEQUENCE" the unit keeps firing as long as the button is held down.
- Solid-state circuits automatically stop wind-on at the end of film roll.

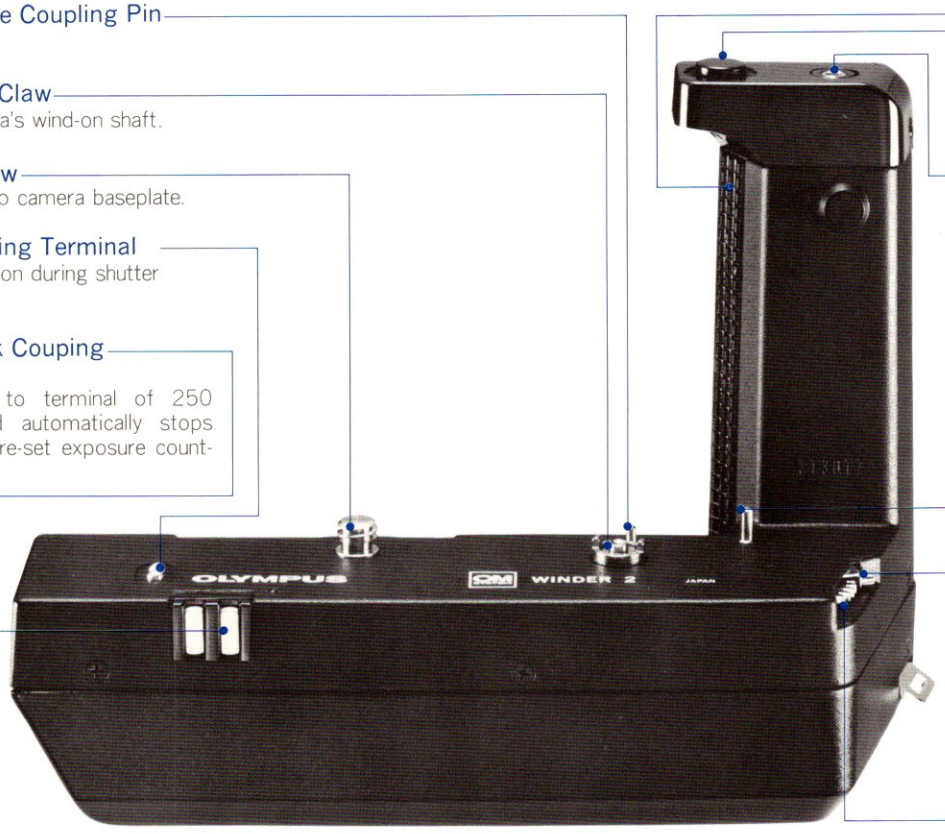
Notes · Related Units

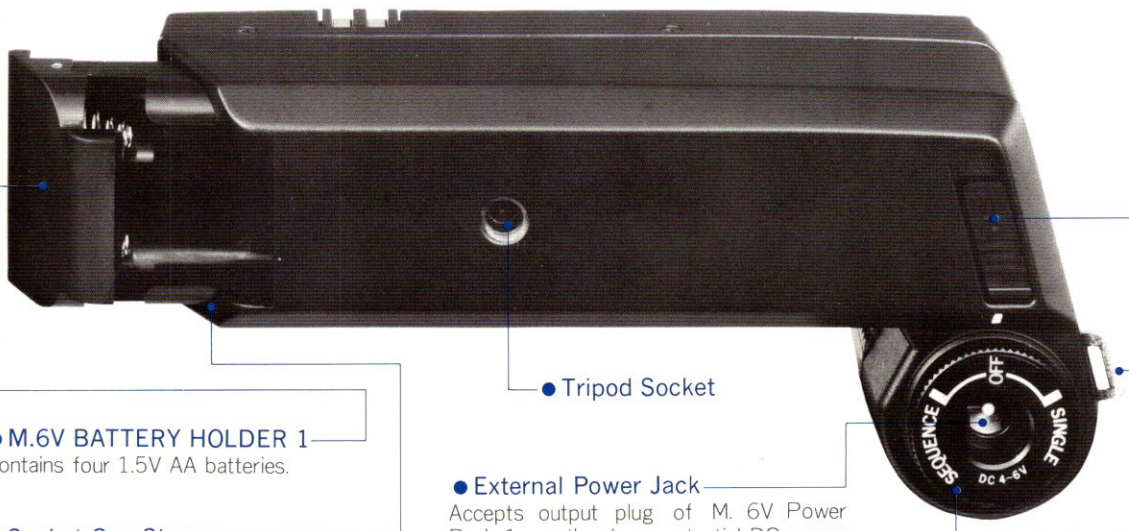
- Four 1.5V penlight batteries must be used. The batteries are loaded into the M. 6V Battery Holder 1, which in turn is inserted into the Winder 2.
- Early OM-1 models not made for motor drive use must be modified to accept the Winder 2. The camera can easily be modified at authorized Olympus factory service centers for a nominal charge.
- In extremely low temperatures, use of the M. 6V Power Pack 1 is recommended to prevent battery degradation (p403).
- M. Remote Cord (1.2m or 5m) is optionally available (P.422).

Winder2
Stock NO. 106-004
M.6V Battery Holder1
Stock NO. 106-002

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OM WINDER 2 & M.6V BATTERY HOLDER 1





- **Shutter Release Coupling Pin**
- **Film Advance Claw**
  Couples with camera's wind-on shaft.
- **Clamping Screw**
  Fastens Winder 2 to camera baseplate.
- **Camera Coupling Terminal**
  Shuts off film wind-on during shutter opening.
- **250 Film Back Couping Terminal**
  Connects directly to terminal of 250 Film Back 1 and automatically stops wind-on when its pre-set exposure counter has reached "0".
- **Non-Slip Finger Grip**
- **Shutter Release**
- **Remote Control Jack**
  Accepts 2.5mmϕ output plug of remote control apparatus.
- **Guide Pin**
  Serves as a positioning pin for quick mounting to camera baseplate.
- **Gear Cover**
  Be sure to uncover gears when coupling 250 Film Back 1.
- **250 Film Back Coupling Gear**
  Engages with gears of 250 Film Back 1.
- **Battery Holder Lock Button**
- **Strap Eyelet**
- **Tripod Socket**
- **M.6V BATTERY HOLDER 1**
  Contains four 1.5V AA batteries.
- **External Power Jack**
  Accepts output plug of M. 6V Power Pack 1 or other large-potential DC power sources (max. 5.5V).
- **Socket Cap Storage**
  Holds removed motor drive socket cap (claw facing up).
- **Mode Selector**
  To set to "SINGLE" or "SEQUENCE", pull up and rotate.

●Main Specifications

Camera: OM-1, OM-2 and OM-10 cameras.

Film advance: Single-release or continuous shooting, instant film wind after each exposure.

Operational time: Approx 0.3 sec.

Shutter speeds: **OM-1** 1 to 1/1,000 sec.
OM-2 (AUTO) several tens of seconds to 1/1,000 sec. (MANUAL) 1 to 1/1,000 sec.
OM-10 (AUTO) 2 to 1/1,000 sec. (MANUAL) 1 to 1/1,000 sec. (with Manual Adapter.)

Power supply: Four 1.5V AA batteries including Ni-Cd rechargeable batteries, jack for external power source built in.

Battery loading: Snap-in magazine type M. 6V Battery Holder 1.

Input voltage: DC 4 – 6V

Capacity: Approx. 20 rolls of 36-exposure film with a set of fresh Manganese batteries, approx. 50 rolls with Alkaline batteries, approx. 15 rolls with Ni-Cd batteries at normal temperature.

Film: 12, 20 and 36-exposure roll films, and up to 250 exposures on 10m (33ft.) bulk load film using 250 Film Back 1.

Dimensions and Weight: 130×64×98mm (5.1" ×2.5" ×3.9"), 290g (10.2oz.) less batteries.

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M.18V CONTROL GRIP 1 & M.18V BATTERY HOLDER 1



Summary

- Pistol-grip type power supply for the Motor Drive 1, containing an M. 18V Battery Holder 1. (Batteries extra.)

Main Characteristics

- Quick and firm direct mounting to the Motor Drive 1, or via Relay Cord
- Large, easy-to-operate mode selector dial (SEQUENCE-SINGLE-OFF)
- Solid-state circuit to prevent wind-on during shutter opening and after last exposure.

Notes · Related Units

- Spare battery holders are available. Additional ones will facilitate uninterrupted motor drive operation during long shooting sessions.
- Relay Cord 1.2m allows the photographer to carry the Control Grip in his pocket to reduce the weight and bulk of his hand-held equipment or to prevent battery degradation in sub-zero temperatures (p. 421).
- Relay Cord 10m is available for extended remote control (p. 421)

OM M.18V CONTROL GRIP 1 & M.18V BATTERY HOLDER 1



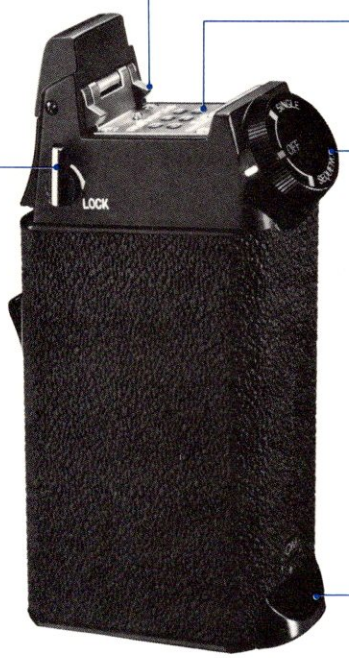
● Grip Detach Button
To disconnect Control Grip from Motor Drive, push in and down.

● Mounting Catch
Allows one-touch connection with Motor Drive or Relay Cord.

● Grip Locks (double locking)

● Shutter Release
Trigger type; convenient for fast action.

● Terminal Contacts

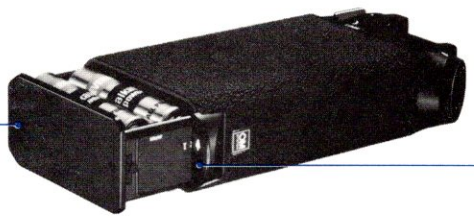


● Nonslip Knob (front)

● Mode Selector

● Shutter Release Lock Lever
Locks grip's shutter release to prevent accidental shooting.

● Nonslip Knob (rear)



M. 18V BATTERY HOLDER 1
Holds twelve AA (penlight) batteries. Snapped into Control Grip in one step.

● Battery Holder Lock Button
To remove battery holder, slide this button in the direction of arrow.

● Main Specifications

Type: Grip-type power supply for Motor Drive 1

Batteries: Twelve 1.5V AA Alkaline batteries (Eveready E91, Mallory MN 1500 or equivalent) or twelve 1.25V AA Ni-Cd rechargeable batteries (Eveready CH500 or equivalent).

Voltage: AA batteries – 18V; Ni-Cd batteries – 15V.

Battery loading: Magazine-type M. 18V Battery Holder 1 with built-in lock button and polarity protector.

Mounting: Snap-on type special mount; direct contact terminal; with Grip Detach Button.

Capacity: Approximately 70 rolls of 36-exposure film with fresh superpower Manganese batteries.

Mode Selector: Rotating dial type with "SINGLE", "SEQUENCE", and "OFF" click stop positions; solid-state circuit for automatic film wind stop after last exposure.

Shutter release: Large trigger-type with lock lever.

Dimensions: 32×87×136mm (1-1/4" ×3-3/8" ×5-3/8")

Weight: Body only – 130gr. (4.6oz.); M. 18V Battery Holder 1 – 30gr. (1.1 oz.); batteries 240 gr. (8.4 oz.)

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M.15V Ni-Cd CONTROL PACK 1



Summary

- Flat top type rechargeable power supply for the Motor Drive 1, equipped with special built-in Ni-Cd cells.

Main Characteristics

- The Motor Drive/Control Pack package makes a most compact, lightweight high-speed motor drive system.
- Clamped directly to the Motor Drive 1, or via Relay Cord.
- Large, easy-to-operate mode selector dial (SEQUENCE-SINGLE-OFF).
- Solid-state circuit to prevent wind-on during shutter opening and after last exposure.
- Checker lamp indicates 3-level battery condition (on-blink-off).

Notes • Related Units

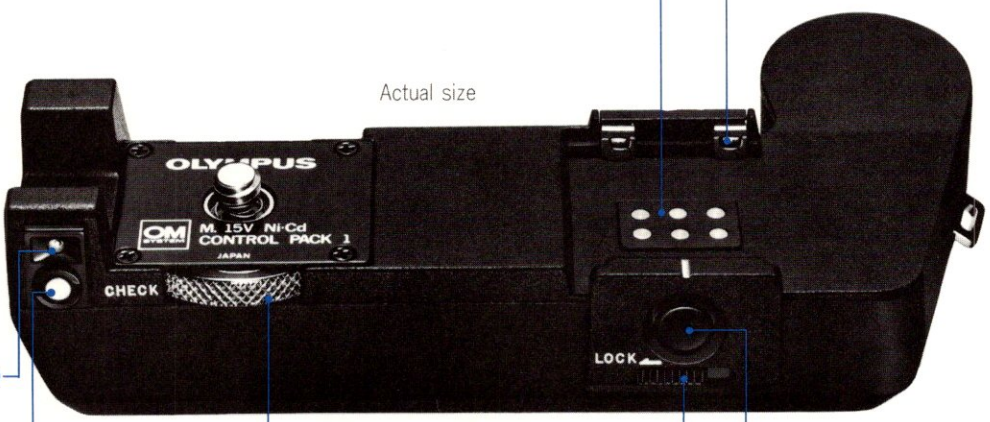
- The M. 15V Ni-Cd Charger 1, a charger exclusively designed for the Control Pack, must be purchased with the unit (p.413).
- Relay Cords 1.2m and 10m are available for remote-control motor drive photography (p. 421).
- In extremely low temperatures, battery power drops and the checker lamp may blink after less than normal number of film cartridges used. To prevent this, tuck the unit (connected to the Motor Drive via Relay Cord 1.2m) in an inside coat pocket.
- Internal Ni-Cd cells are built in and cannot be removed from the unit.

OM M.15V Ni-Cd CONTROL PACK 1

● Terminal Contact
Connects directly to terminal plate of Motor Drive and Relay Cord to feed power and electronic control. Connects also to output plug of Ni-Cd Charger for recharging.

● Mounting Catch (front)
Engages with power supply mount frame of Motor Drive.

Actual size



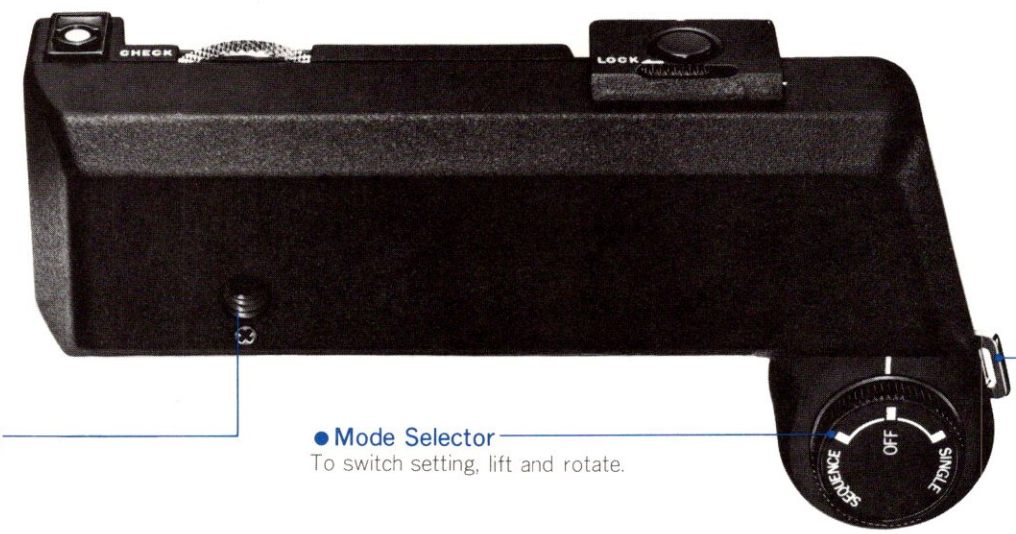
● Checker Lamp

● Checker Button
Depress to check voltage level:
ON—enough power for over 10 rolls of 36-exposure film; approx. 40 rolls when charged fully
BLINK—approx. 10 rolls, charging is recommended.
OFF—drained completely

● Clamping Screw

● Shutter Release Button
To shoot, press either this button or the one atop Motor Drive handgrip; convenient when remote-controlling Motor Drive with Relay Cord and taking vertical pictures, or when 250 Film Back 1 is used.

● Shutter Release Lock Button
Slides to lock Pack's shutter release button when the one on Motor Drive handgrip is being used.



● Strap Eyelet

● Tripod Socket

● Mode Selector
To switch setting, lift and rotate.

● Main Specifications

Type: Flat-type rechargeable power unit exclusively for use with Motor Drive 1	**Mode Selector:** 'Lift-and-rotate' dial type with SINGLE, SEQUENCE and OFF click positions; solid-state circuit for automatic film wind stop after last exposure
Battery: Built-in Ni-Cd cells	**Shutter Release:** Push button with release lock
Charging Apparatus: M. 15V Ni-Cd Charger 1 (Extra)	**Battery Checking:** Checker lamp (LED) indicates 3 levels
Charging Time: 4—5 hours for full capacity	**Dimensions & Weight:** 129 × 67 × 35mm, 260gr.
Capacity: Approx. 40 rolls of 36-exposure film	(5 1/8 × 2 5/8 × 1 3/8 in., 9.2 oz.)
Mounting to Motor Drive 1: Via clamping screw, direct contact; or via Relay Cord	

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M.15V Ni-Cd CHARGER 1



Summary

- The charger for the M. 15V Ni-Cd Control Pack 1 is plugged into the household AC wall socket.

Main Characteristics

- Charging time for full capacity (for approx. 40 rolls of 36-exposure film) is 4～5 hours. In an emergency, a 5-minute charge will provide capacity for 1～2 rolls, and a 30-minute charge for 6～10 rolls.

Notes · Related Units

- Before charging, be sure the voltage switching screw is set to your local voltage rating.
- After charging, be sure to unplug the unit from AC mains.
- Depending on the shape of AC wall socket, an optional plug adapter may be necessary.

OM SYSTEM M.15V Ni-Cd CHARGER 1

● **Body**
Input: AC 100/115/220/240V, 50/60Hz, 4VA
Output: DC 14.4V, 36mA

● **Voltage Switching Screw**
(Units designed for a particular input voltage are not provided with these screw holes.)



● **Input Plug**

● **Terminal Contact**
Snaps on terminal plate of M. 15V Ni-Cd Control Pack 1 for charging. Mode selector may be set to any position.

● **Red Index Line**
Align to index line of Control Pack for one-touch connection.

● **Finger Pins**
When attaching DC plug to, and detaching from Control Pack, hold with thumb and index finger on the pins.

● **DC-cord**
1m (3.3 ft.) long.

● **Output Plug**

● Main Specifications

Type: Charger especially for use with M. 15V Ni-Cd Control Pack 1

Supply Circuit: AC 100/115/220/240V, 50/60Hz, voltage selection via clamping screw

Electrical Connection: (To Control Pack) Snap-on type special mount plug with 1-m cord; (to household AC mains) plug-in type body with built-in safety fuse

Charging Time: 4～5 hours for full charge

Dimensions & Weight: 66×49×42mm, 260g (2 5/8×1 7/8×1 1/8in., 9.2oz.)

OLYMPUS

M.AC CONTROL BOX



Summary

- Converts AC household current to DC current to supply power to the Motor Drive 1 via the Relay Cord.

Main Characteristics

- Capable of sequential (12 settings from 4 frames per second to 1 frame every 120 seconds) and single frame advance.
- Solid-state circuit to prevent wind-on during shutter opening and after last exposure.

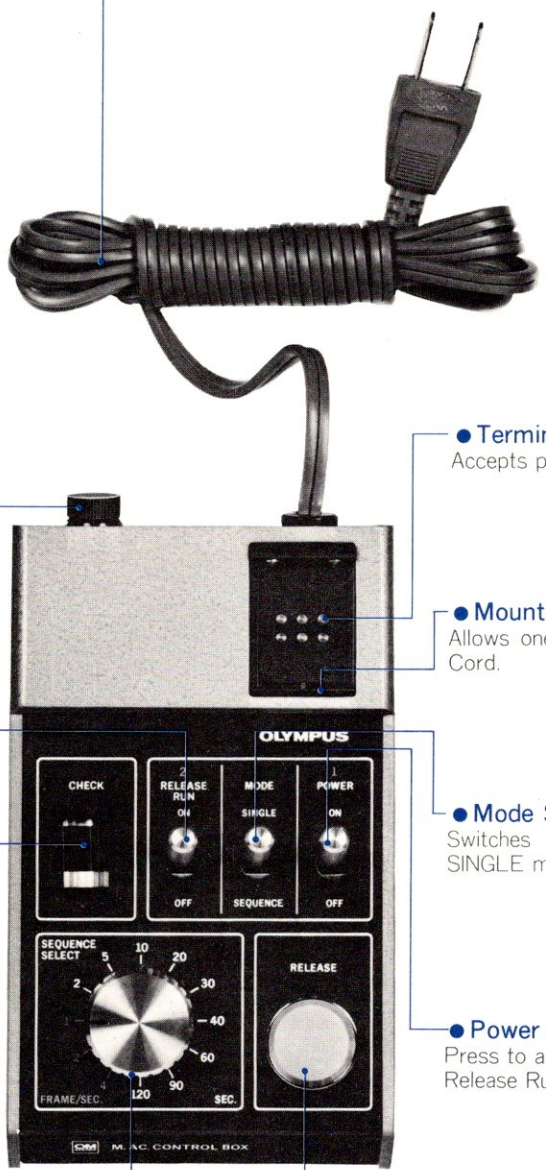
Notes · Related Units

- Relay Cord 1.2m or 10m is required to connect the Control Box to the Motor Drive 1 (p. 421).

OM M. AC CONTROL BOX

● **Power Cord**
Supply current—AC 100/115/220/240V, 50/60Hz, 23VA
Output current—DC15V
1.8m (6 ft.) long

● **Fuse Holder**
0.5A (a spare fuse is supplied)



● **Terminal Contact**
Accepts power plug of Relay Cord.

● **Mounting Catch**
Allows one-touch connection with Relay Cord.

● **Release Run Switch (Step ④)**
Turn this lever to ON instead of continuous pressing on Release Button; particularly convenient in sequential filming with lengthy intervals.

● **Mode Switch (Step ②)**
Switches from SEQUENCE mode to SINGLE mode, and vice versa.

● **Pilot Lamp/Check Meter**
Lights up when unit is turned ON. Meter needle swings to indicate shutter release.

● **Power Switch (Step ①)**
Press to activate unit, after making sure Release Run Switch is set to "OFF".

● **Intervalometer Dial (Step ③)**
Functions on sequential mode only for 12-stage time-lapse photography.

● **Shutter Release Button (Step ④)**
Pressing this button completes film wind-on following exposure, setting camera for next shot.

● Main Specifications

Supply Current: AC 100/115/220/240V, 50/60Hz, 23VA

Output current: DC 15V

Connection with Motor Drive 1: Via Relay Cord

Shutter Release: Shutter release button or release run switch

Intervalometer: 12 settings—4,2, and 1 frame per second; 1 frame every 2, 5, 10, 20, 30, 40, 60, 90, and 120 seconds (interval may vary slightly depending on voltage and shutter speed)

Dimensions and weight: 162×86×72mm, 1450g (6 3/8×3 3/8×2 3/4in., 2 lbs. 19 oz.)

OLYMPUS

RELAY CORDS 1.2m/10m



Summary

- Connecting/remote-control cord between the Motor Drive 1 and the power unit. Allows the photographer to carry the Control Grip 1 or the Ni-Cd Control Pack 1 in his pocket to reduce the weight and bulk of hand-held equipment, or to prevent battery degradation in extremely cold temperatures or to permit comfortable picture taking with a tripod.

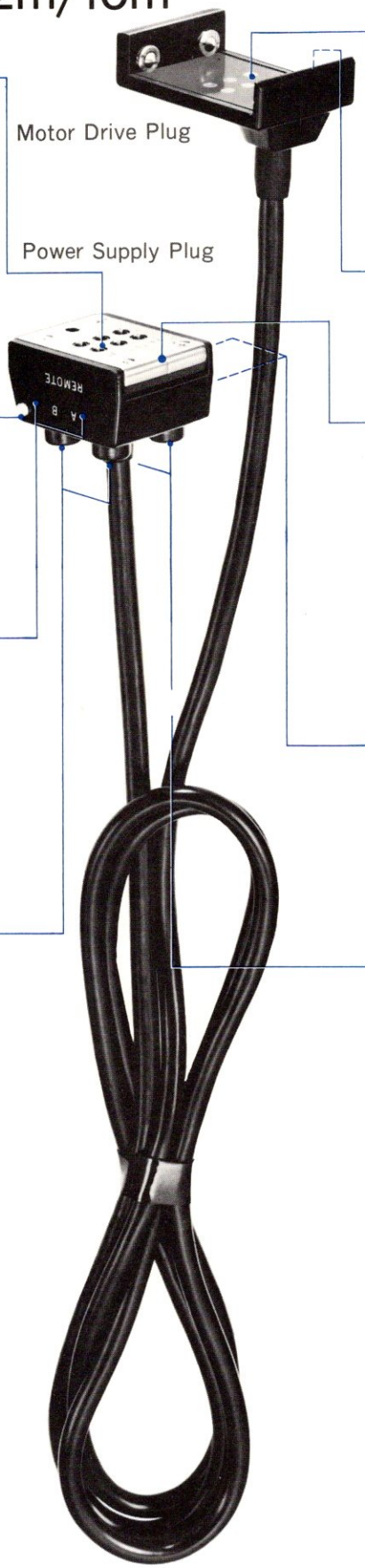
Main Characteristics

- The power supply plug is equipped with remote terminals and DC terminals to act as a relay box for commercially available DC power sources and remote control apparatus.

Notes · Related Units

- Power supplies — Control Grip 1, Ni-Cd Control Pack 1 and M. AC Control Box.
- Relay Cord 10m is ideal for extended remote control operation of the Motor Drive. However, due to the greater resistance in the long cord, a voltage drop of approx. one volt may occur with direct DC power, resulting in a slightly slower filming rate. To obtain best results, the use of M. AC Control Box and standard AC current is recommended.

OM SYSTEM RELAY CORDS 1.2m/10m



● Terminal Contact
Connects to terminal plate of power unit.

Motor Drive Plug

Power Supply Plug

● Finger Pins (2)
When attaching power supply plug to, and detaching from Motor Drive 1, place thumb and index finger on the pins.

● Remote Terminal Sockets (A & B)
Accept leads from remote control apparatus for remote or simultaneous multiple motor drive photography (see illustration below).

● Remote Terminal Buttons
Hold inserted leads tightly.

● Terminal Contact
Connects to terminal plate of Motor Drive.

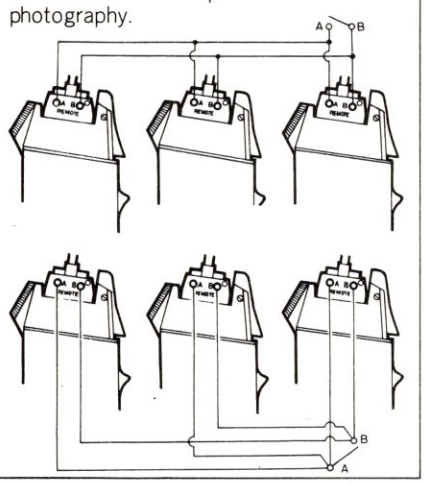
● Red Index Line
Align to index line of Motor Drive for one-touch connection.

● Red Index Line
Align to index line of power unit for one-touch connection.

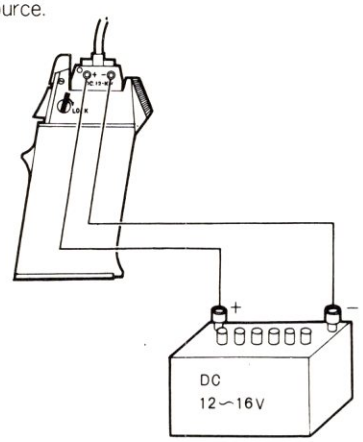
● DC Terminal Sockets (⊕ & ⊖)
Accept leads from large potential DC power supply (12～16V DC).

● DC Terminal Buttons
Hold inserted leads tightly (see illustration below).

Simultaneous multiple motor drive photography.



To use large potentiality DC power source.



● Main Specifications

Cord: 5 poles	**DC terminal & remote terminal:** Built in.
Max. supply voltage: DC 18V (12 1.5V AA batteries), DC12～16V (other power sources)	**Coupling:** One-motion attachment with special mount.
	Overal length: 1.2m and 10m (4ft. and 33ft.)
Power consumption: Average 1A, momentary max. 2A	**Weight:** 80g or 2.8oz. (1.2m) and 280g or 9.90oz. (10m)

OLYMPUS

250 FILM BACK 1



Summary

- Attached to the OM camera body in place of the standard camera back, the 250 Film Back 1 provides up to 250 exposures on 10m (33ft.) lengths of bulk film.

Main Characteristics

- Tailored to the compact camera body, unusually compact and lightweight. Can be attached to the camera body before or after the Motor Drive 1 or Winder1.
- Motor Drive stops wind-on automatically when the preset exposure counter has reached "0".

Notes • Related Units

- Two 250 Film Magazines are required for film supply and take-up, respectively (p. 432).
- The 250 Film Loader proves handy in winding bulk film onto the supply spool (p. 433).
- The Eyecoupler must be used with the Eyecup I for comfortable viewing of viewfinder images (p.221).

OM SYSTEM 250 FILM BACK 1



● Rear Cover Button
Pull backward to remove rear cover after unlocking Rear Cover Lock Key bellow.

● Rear Cover Lock Key
Pull up to unlock rear cover.

● Key Lock Plate
Locks Key above when Open/Close Knob (Right) is turned to "CLOSE" position.

● Open/Close Knob (Right)
Opens Right Magazine and locks Rear Cover Lock Key and Camera Clamp Knob when turned to "CLOSE" for picture taking.

● Film Type Indicator
Serves as a reminder for film type or ASA speed.

● Open/Close Knob (Left)
Closes Left Magazine and extends Camera Holder, when turned to "CLOSE" for picture taking.

● Camera Holder
Protrudes to hold camera on left side when Open/Close Knob (Left) is turned to "CLOSE".

● Exposure Counter
Subtracting type; to be preset manually. At "0", Motor Drive stops wind-on automatically.



● Magazine Chamber (Right)
Accomodates Right Magazine containing a take-up spool.

● Camera Clamp Plate
Clamps camera body on right side when Camera Clamp Knob below is turned.

● Camera Clamp Knob
Turning this knob in direction of arrow causes Camera Clamp Plate to press against camera body. Turning of Open/Close Knob (Right) to "CLOSE" locks this knob.

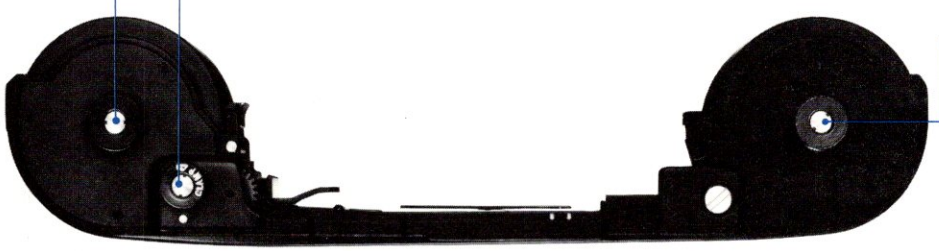
● Magazine Chamber(Left)
Accommodates Left Magazine containing a loaded spool for film supply.

● Camera Stage
When fitting camera body to Film Back, first place left-side bottom on Stage for positioning. Then allow right side to fit closely on Film Back.

● Motor Drive Coupling Terminal
For cordless electrical contacts with Motor Drive or Winder.

● Tripod Socket

● Motor Drive Coupling Gear



● Fork Knob (Right)
Pull out to accommodate Right Magazine. Push back in and turn to tension film.

● Fork Knob (Left)
Pull out to accommodate Left Magazine. To push back in, turn slightly right and left.

● Main Specifications

Camera: Olympus OM-1 and -2 (prepared for motor drive)

Film capacity: Max. 10m (33 ft.) of standard 35-mm format film

Camera mounting: Clamps to camera body in place of standard camera back

Film loading: Two 250 Film Magazines with spools

Film wind-on: (Auto) with Motor Drive/power unit — sequential and single frame advance; with Winder 1 — single frame advance (Manual) with camera's advance lever

Exposure counter: Subtractive; manual preset; auto stop at "0"

Film type indicator: Manual setting

Rear Cover: Hook-on type, fixed by lock key

Dimensions & weight: 63×272×85 mm, 600 g (2 1/2×10 3/4×3 3/8 in., 21.2 oz.)

OLYMPUS

250 FILM MAGAZINE



Summary

- A pair of magazines, each containing a spool for film supply and take-up, are required for the 250 Film Back 1.

Main Characteristics

- Blank space for entering memos is provided on the top surface.
- Film cutter to cut off exposed length of film is provided on the edge of the outer shell.

Notes · Related Units

- 250 Film Back 1 (p. 431)
- The 250 Film Loader makes otherwise lengthy spooling fast and easy (p. 433).

OM 250 FILM MAGAZINE

● Flat Button
Holding this button between fingers, turn Inner Shield clockwise until it stops with a click to close magazine (lightproof).

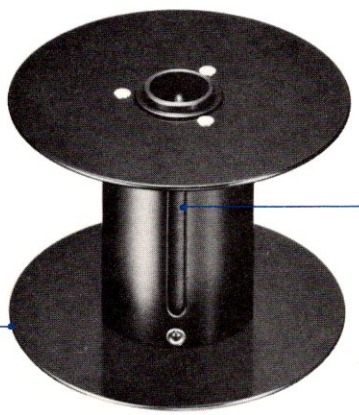
● Push Button
Depressing this button, turn Inner Shield clockwise to open and dismantle magazine.



● Blank for Film Reminder
Write down number of unexposed frames and other data.

● Inner Shield

● Opening



● Slot
Allows smooth film insertion in darkroom.

● Spool
For up to 10-m (33-ft) long film (max. 250 exposures).

● Film Cutter

● Opening



● Index Dot
Positioning mark for loading into magazine chamber.

● Outer Shield

● Main Specifications

Type:	Double shells for opening/closing; film cutter and memo blank provided
Camera back:	OM System 250 Film Back 1
Film capacity:	10m (33 ft.) of 35-mm format film

OLYMPUS

250 FILM LOADER & LARGE SPOOL



Summary

- The 250 Film Loader permits fast and easy winding of bulk film onto the spool of the 250 Film Magazine.

Main Characteristics

- Quick and easy to use in the darkroom.

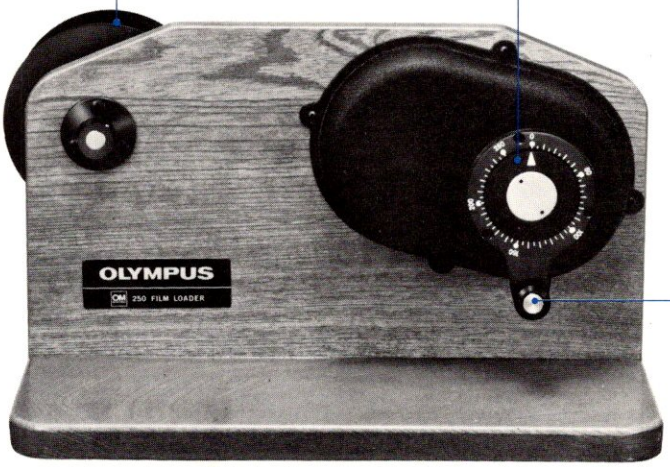
Notes • Related Units

- Commercially available 100-ft roll film cans.

OM SYSTEM 250 FILM LOADER & LARGE SPOOL

● **Large Spool**
100-ft canned roll film is mounted on this spool. To mount, first remove rim by twisting counter-clockwise, put film on, and replace rim.

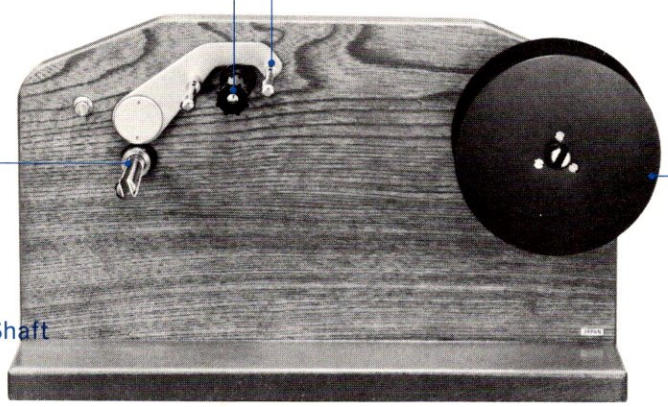
● **Scale Plate**
To preset desired number of frames (max. 250), pull this out and turn counter-clockwise.



● **Hand Crank**

● **Sprocket**
Engages with perforations of roll film being wound.

● **Film Holding Lever**
Stops at set position with a click to press on film and prevent slippage.



● **Large Spool**

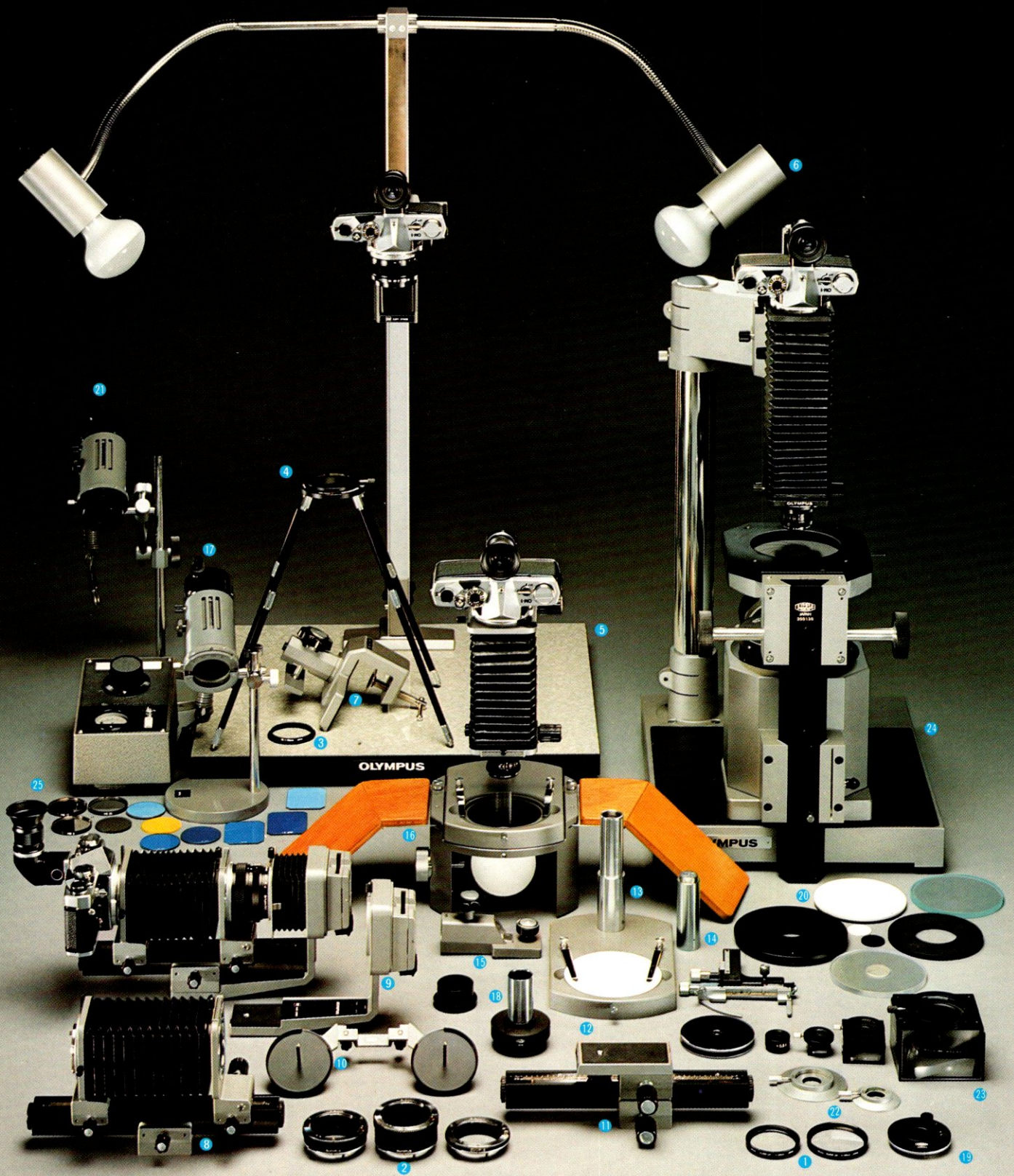
● **Magazine Spool Receiving Shaft**
Accepts an empty 250 Film Magazine spool.

● Main Specifications

Film:	Standard 35-mm format 100-ft roll film
Film spooling:	Rotating hand crank with automatic stop at preset film length
Frame counter:	Subtractive, manual setting with automatic stop at "0"
Max. spooling length:	10m (33 ft.) for 250 exposures
Dimensions & weight:	142×250×153mm, 940 g (5 5/8×9 7/8×6 in., 33.2 oz.)

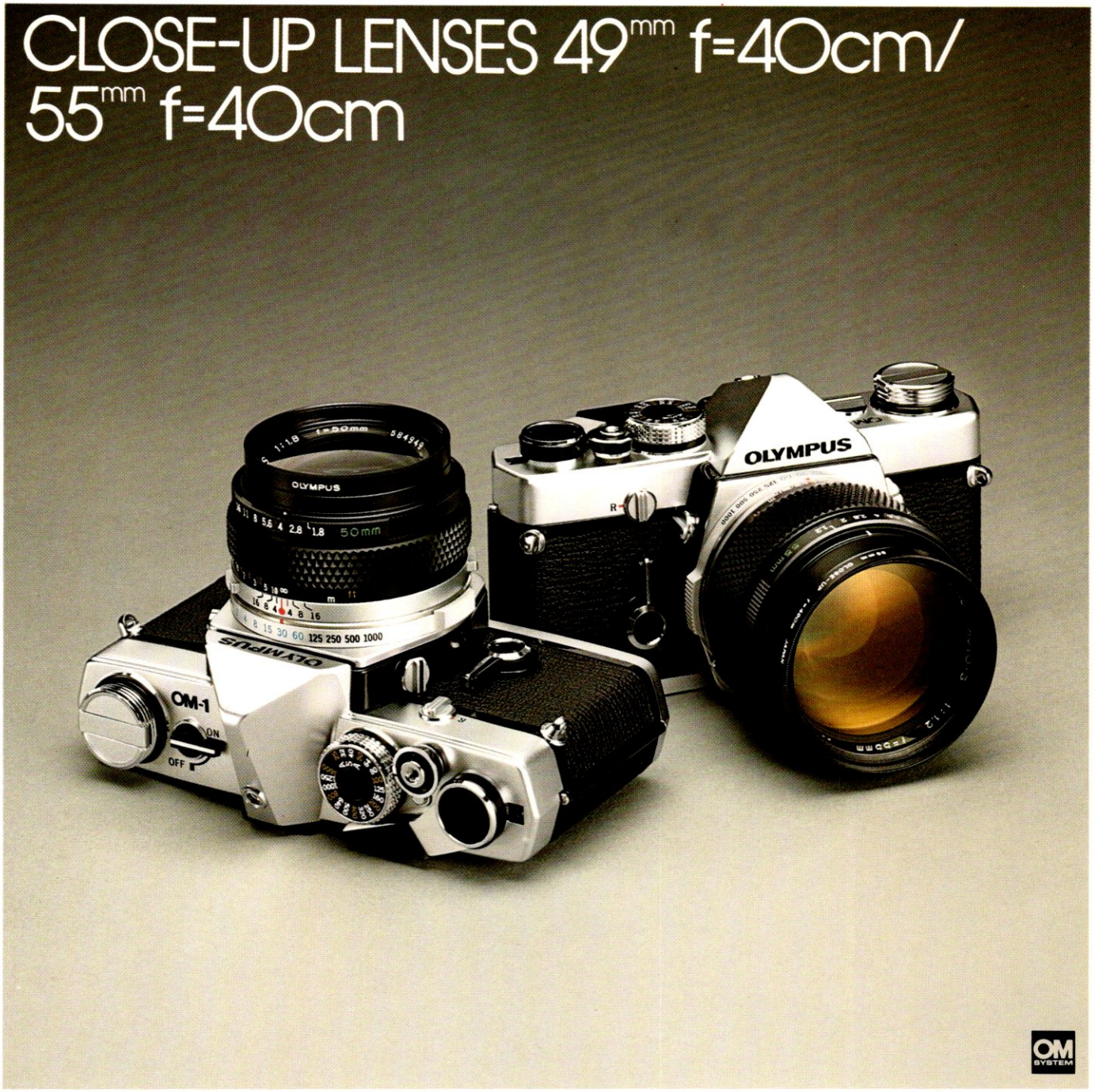
OLYMPUS

MACROPHOTO GROUP



❶ Close-up Lenses 49mm f=40cm/55mm f=40cm ❷ Extension Tubes 7/14/25 ❸ Adapter Ring 55→49mm ❹ Handy Copy Stand ❺ Copy Stand
❻ Lighting Set ❼ Table Clamp ❽ Auto Bellows ❾ Slide Copier ❿ Roll Film Stage ⓫ Focusing Rail ⓬ Focusing Stage
⓭ Macrophoto Stand VST-1 ⓮ Macrophoto Stand Extension Bar VST-E ⓯ Macrophoto Stand B Adapter ⓰ Trans-Illuminator Base X-DE
⓱ Trans-Illuminator LSD ⓲ Adapter PM-EA ⓳ Objective Lens Mount PM-MTob ⓴ Stage Glasses/Stage Plates ㉑ Epi-Illuminator PM-LSD2
㉒ Lieberkuhn Reflectors PM-LM 20/PM-LM 38 ㉓ Incident Illuminator Mirror Housings PM-EL 80/PM-EL 38/PM-EL 20
㉔ Macrophotographic Equipment PMT-35 ㉕ Filters

CLOSE-UP LENSES 49mm f=40cm/ 55mm f=40cm



Summary

- They are auxiliary lenses to screw into standard OM System lenses for close-up work.

Main Characteristics

- With the close-up lenses, the minimum focusing distance of the standard lenses can be reduced from 45cm to 19cm, at which distance the subject area will be 12 ×8cm.
- These close-up lenses permit the automatic diaphragm operation of the standard lenses to facilitate a bright image observation through the fully-opened aperture and exposure adjustment.

Notes • Related Units

- The respective diameters of these filter mounting threads are 49mm and 55mm. Make a choice between them that accepts a filter in use.
- Since the depth of field is extremely small in close-up photography, the lens aperture should be stopped down between F8 and F11 to obtain sharp image definition.
- Recommended to use a focusing stage, tripod and shutter release cable to eliminate any vibration that may affect a picture.

OM CLOSE-UP LENSES 49mm f=40cm/55mm f=40cm

Close-up Lens 49mm f=40cm



● Threaded Ring
The thread diameter is 49mm.
A filter or one more close-up lens of the same diameter can be screwed.



● Lens Mounting Thread
OM lenses can be mounted on this side without blocking the automatic exposure control of the OM bodies.

Close-up Lens 55mm f=40cm



● Threaded Ring
The thread diameter is 55mm.
A filter or one more close-up lens of the same diameter can be screwed.



● Lens Mounting Thread

Actual size

TABLE OF CLOSE-UP RANGES

Lens	Covering Area / Magnification / Number of Close-up Lenses	mm 240×360 120×180 80×120 60×90 48×72 40×60 / (inch) (9 25/64×14 11/64) (4 23/32×7 1/32) (3 5/32×4 23/32) (2 23/64×3 35/64) (1 57/64×2 53/64) (1 17/64×2 23/64) / 0.1 0.2 0.3 0.4 0.5 0.6
50mm F1.8	1	40.2(15 53/64) — 19.3(7 19/32)
	2	20.2(7 61/64) — 13.0(5 1/8)
50mm F1.4	1	40.2(15 53/64) — 19.3(7 19/32)
	2	20.2(7 61/64) — 13.0(5 1/8)
55mm F1.2	1	40.2(15 53/64) — 18.9(7 7/16)
	2	20.1(7 29/32) — 12.8(5 3/64)

Numbers printed at both ends of each arrow indicate distances in cm (inches) between lens and subject.
Halftone area indicates magnification ranges of standard lenses without close-up lens.

OLYMPUS

EXTENSION TUBES 7/14/25



Summary

- These tubes are used as adapters to mount OM System lenses on the OM bodies to take close-ups.

Main Characteristics

- The respective lengths of these tubes are 7mm, 14mm and 25mm, which make seven different lengths by single or combined uses.
- They can be mounted on the camera body by bayonet mounting as in case with the standard lenses.
- If all of these three tubes are used in conjunction with the 50mm F1.8, it is possible to achieve a life size magnification or 2.3 × 3.4cm with a lens-to-subject distance 6.8cm.
- The 25mm extension tube can be used to extend the magnification range of the Zuiko Macro Lens 50mm to 1/2 and 1/1 (life size).
  For life-size pictures, however, most recommended is the 1:1 Macro 80mm F4.

Notes · Related Units

- The depth of field is extremely small in close-up work. Therefore, not only correct focus but also a small aperture such as F8 or F11 are recommended.
- Even a smallest movement of the camera affects pictures especially when enlarged to great extent. To avoid this, make it a point to use a focusing stage, tripod and cable release whenever available.
- Exposure is adjusted by stopping down the lens aperture, but focusing is easier at the full aperture.

OM SYSTEM EXTENSION TUBES 7/14/25

Extension Tube 7

Extension Tube 14

Extension Tube 25



Actual size

● Lens Mounting Ring
Accepts the camera lens or extension tube.

● Meter Coupling
Connects to the exposure meter built in the DM body for stopping down measurement.

● Release Button
To remove the tube from camera, press this button and rotate the tube counter-clockwise by 70° in the same manner as with the lens. To mount the tube do not apply pressure to the release button during the mounting procedure.

TABLE OF CLOSE-UP RANGES

Lens	Covering Area / Magnification / Extension Tube	mm (inch)	120×180 (4 9/32 × 7 3/32)	60×90 (2 23/64 × 3 35/64)	40×60 (1 37/64 × 2 23/64)	30×45 (1 1/16 × 1 49/64)	24×36 (15/16 × 1 27/64)	20×30 (45/32 × 1 1/16)	17.1×25.7 (43/64 × 1 1/64)
			0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5						
Std. 50mm F1.8	7		39.1(15 25/64) – 20.0(7 7/8)						
	14		20.5(8 1/16) – 14.1(5 35/64)						
	7+14		14.3(5 5/8) – 11.0(4 21/64)						
	25		12.4(4 7/8) – 10.0(3 59/64)						
	7+25		10.1(3 31/32) – 8.5(3 11/32)						
	14+25		8.6(3 25/64) – 7.5(2 61/64)						
	7+14+25		7.6(2 63/64) – 6.8(2 43/64)						
Std. 50mm F1.4	7		38.1(15) – 19.1(7 51/64)						
	14		19.5(7 43/64) – 13.1(5 5/16)						
	7+14		13.3(5 15/64) – 10.1(3 31/32)						
	25		11.4(4 31/64) – 9.0(3 35/64)						
	7+25		9.1(3 37/64) – 7.5(2 15/16)						
	14+25		7.6(2 63/64) – 6.5(2 35/64)						
	7+14+25		6.5(2 9/16) – 5.8(2 9/32)						
Std. 50mm F1.2	7		43.8(17 1/4) – 16.9(6 43/64)						
	14		21.9(8 5/8) – 13.5(5 5/16)						
	7+14		14.6(5 3/4) – 10.3(4 1/16)						
	25		12.4(4 7/8) – 9.2(3 5/8)						
	7+25		9.7(3 13/16) – 7.6(2 63/64)						
	14+25		7.9(3 7/64) – 6.5(2 35/64)						
	7+14+25		6.7(2 41/64) – 5.6(2 13/64)						
Macro 50mm F3.5	25		11.8(4 41/64) – 6.5(2 35/64)						

Halftone area indicates magnification ranges of standard lenses without close-up lens.

Numbers printed at both ends of each arrow indicate distances in cm (inches) between lens and subject.

OLYMPUS

AUTO BELLOWS



Summary

- The Auto Bellows is placed between the OM body and taking lens to adjust the distance between them for close-up and macrophotography.

Main Characteristics

- The aperture iris diaphragm built into the bellows can be stopped down to the pre-selected aperture by the use of the Double Cable Release simultaneously with the shutter release.
- A simple lever operation makes it possible for the photographer to view the subject prior to taking the picture through the aperture diaphragm fully opened or stopped down as desired without exposure.
- This unit incorporates a removable lens mount board which requires no adapter to reverse the lens.

Notes • Related Units

- In most cases accurate focus and lens apertures smaller than F8 are necessary for fine macrophotographs because of the extremely small depth of field.
- Use of a tripod or Macrophoto Stand VST-1 is recommended to steady the Auto Bellows for the slow shutter speeds that are often required in macrophotography.
- Move the preset lever to the vertical position to stop down the aperture for exposure reading.
- Focusing Screens recommended for the Auto Bellows are 1-4, 1-10, 1-11 and 1-12.

OM AUTO BELLOWS

● Clamping Screw
This screw clamps the lens mount board to the bellows.

● Lens Mount
Directly accepts OM System lenses except the Macro lenses 38mm F3.5 or 20mm F3.5 which must be mounted via the Objective Lens Mount PM-MTob.

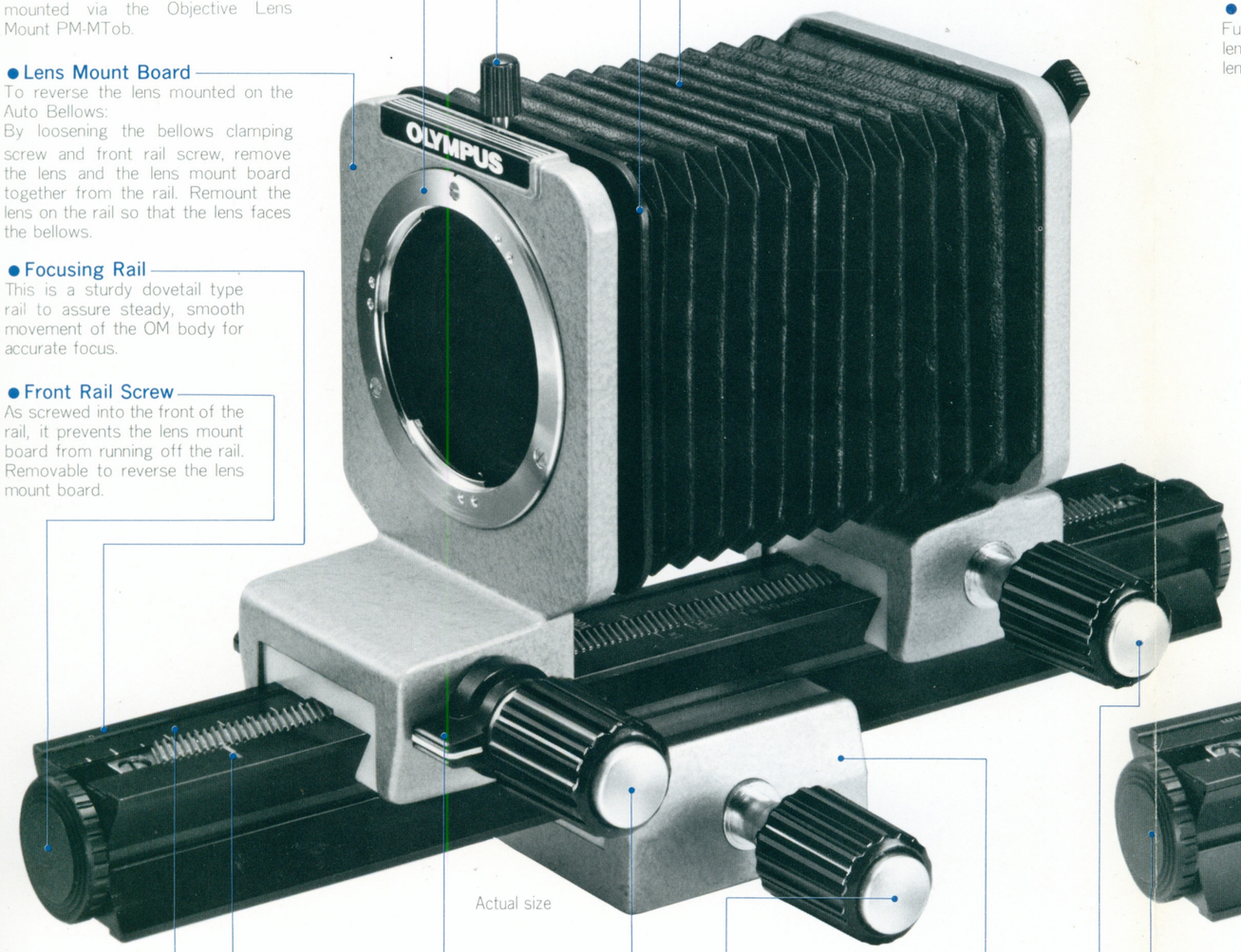
● Lens Mount Board
To reverse the lens mounted on the Auto Bellows:
By loosening the bellows clamping screw and front rail screw, remove the lens and the lens mount board together from the rail. Remount the lens on the rail so that the lens faces the bellows.

● Focusing Rail
This is a sturdy dovetail type rail to assure steady, smooth movement of the OM body for accurate focus.

● Front Rail Screw
As screwed into the front of the rail, it prevents the lens mount board from running off the rail. Removable to reverse the lens mount board.

● Connecting Plate
This plate connects the bellows to the lens mount board. When the lens is reversed, it connects the bellows to the lens hood.

● Bellows



Actual size

● Scale
The scale engraved on the rail is graduated in increments of 5mm over a total range of 180mm.

● Magnification Scale
The magnification indexes are engraved on the rail surface for use with the slide copier. The front of the lens mount board should be aligned to the orange-white line, and the camera body mount can be adjusted according to the lens position. 1X and 1.5X magnifications are graduated for the 1:1 Macro 80mm and Macro 50mm Lenses.

● Lens Shift Knob
The distance between the lens and camera body can be adjusted by rotating this knob after loosening the rail clamping knob.

● Preset Lever
By this lever operation, the aperture diaphragm can be stopped down or opened fully for convenience of focusing and exposure adjustment.

● Focusing Knob
After completing the magnification adjustment, bring the subject into focus by means of this knob.

● Camera Shift Knob
By rotating this knob, adjust the length of the bellows. Prior to rotating the camera shift knob, the camera clamping knob (located on the opposite side to the shift knob) must be loosened.

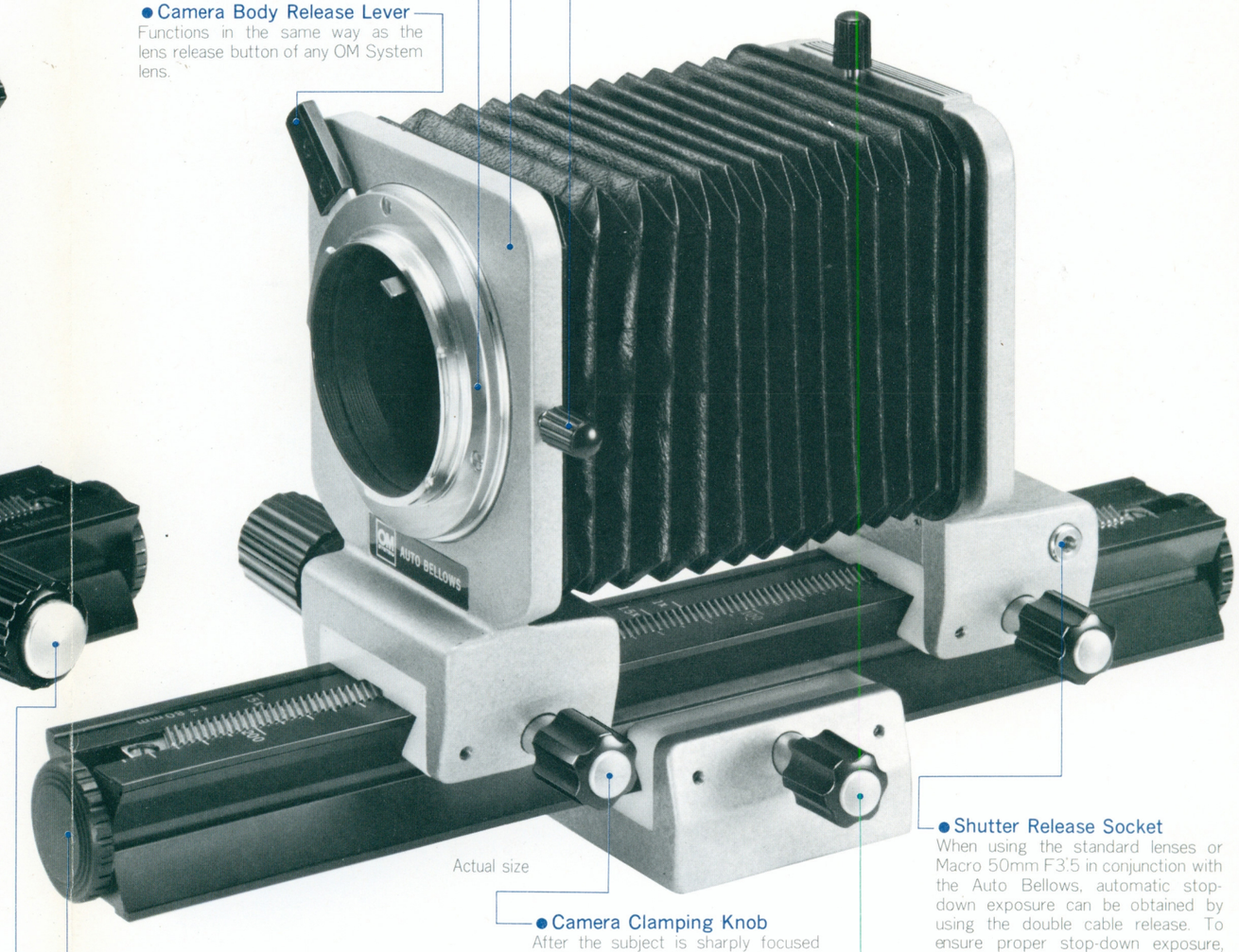
● Focusing Tripod Block
Provided with two tripod sockets at the lower surface of the block. Screw the tripod into one of the sockets as required, taking into consideration the weight with camera and lens, bellows extension required, focal length of lens, etc.

● Camera Body Mount
Loosen the camera mount clamping screw on the bellows and remove the camera body mount. Attach the camera body mount to the OM body in the same manner as you would attach a standard lens.

● Camera Body Release Lever
Functions in the same way as the lens release button of any OM System lens.

● Camera Body Mount Board

● Camera Mount Clamping Screw



Actual size

● Back Rail Screw
Prevents the camera body mount board from running off the rail.

● Camera Clamping Knob
After the subject is sharply focused at the magnification desired, clamp the lens and camera body on the rail with their respective shift knobs, then tighten the camera clamping knob.

● Rail Clamping Knob

● Shutter Release Socket
When using the standard lenses or Macro 50mm F3.5 in conjunction with the Auto Bellows, automatic stop-down exposure can be obtained by using the double cable release. To ensure proper stop-down exposure, the double cable release must be correctly adjusted to stop down the aperture diaphragm immediately before exposure.

● SPECIFICATIONS

Camera: OM Bodies.
Lens mount: OM-Mount bayonet (rotation angle 70°)
Lenses: 1:1 Macro 80mm F4, Macro 38mm F3.5, Macro 20mm F3.5 (Macro 50mm F3.5, Standard 50mm F1.8, 50mm F1.4, 55mm F1.2)
Bellows extension range: 36-198mm (1 7/16 – 7 13/16") (lens in normal position)
56-218mm (2 3/16 – 8 9/16") (lens in reversed position)
Graduated focusing rail is 180mm (7 1/16") long.
Focusing: Adjustable by focusing knob on the focusing stage with locking device.
Automatic stop-down exposure: Diaphragm linked with shutter by means of the double cable release.
Preset lever: Stop down of diaphragm to preset aperture for previewing depth of field.
Lens reverse mounting: Lens and camera mount boards are detachable, for convenient reversal of the lens.
Tripod mounting socket: Two sockets provided for mounting on a tripod or on the Macrophoto Stand B Adapter.
Focusing stage: After removal of the bellows, the focusing rail is mountable on the focusing stage.
Dimensions: 74×132×240mm (2 13/16×5 3/16"×9 7/16")
Weight: 930g (32 3/4 oz.)

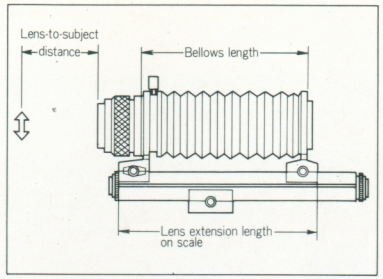
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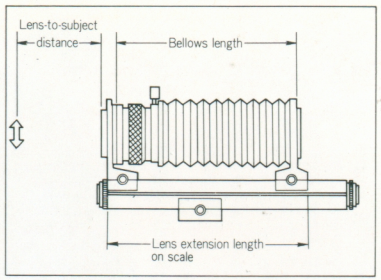
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INDICATION OF LENS EXTENSION DISTANCE

The scale engraved on the rail surface indicates the lens extension length. The left side picture shows the normal lens position and the right side one shows the lens reversed.

The reference table below indicates the lens extension length in mm and the distance from lens front end to subject in cm.





	Lens	Lens Position	Subject Area Covered (mm) / Magnification	180×120	120×80	90×60	72×48	60×40	51.4×34.3	45×30	40×26.7	36×24	30×20	25.7×17.1	22.5×15	20×13.3	18×12	16.4×10.9	15×10	13.8×9.2	12.9×8.6	12×8	10.3×6.9	9×6	8×5.3	7.2×4.8	6.5×4.4	6×4	5.5×3.7	5.1×3.4	4.8×3.2	4.5×3.0	4×2.7	3.6×2.4	3.3×2.2	3.0×2.0
			Magnification	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	9.0	10.0	11.0	12.0
BASIC METHODS	ZUIKO 1:1 MACRO 80mm F4	Normal	Scale (mm)	68	71	79	87	95	103	111	119	127	143	159	175	191	207	223	231																	
			Distance from lens to subject (cm)	34.7	31.0	24.3	20.3	17.6	15.7	14.3	13.2	12.3	11.0	10.0	9.3	8.8	8.3	8.0	7.8																	
	ZUIKO MACRO 38mm F3.5	Normal	Scale (mm)													68	75	83	90	98	106	113	132	151	170	189	208	227	231							
			Distance from lens to subject (cm)													4.6	4.4	4.3	4.1	4.0	3.9	3.8	3.6	3.5	3.4	3.3	3.2	3.2	3.2							
	ZUIKO MACRO 20mm F3.5	Normal	Scale (mm)																						68	73	83	93	103	113	123	133	143	163	183	203	223 231
			Distance from lens to subject (cm)																						2.1	2.1	2.1	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.8	1.8 1.8
AUXILIARY METHODS	ZUIKO MACRO 50mm F3.5	Normal	Scale (mm)						68	69	74	79	84																							
			Distance from lens to subject (cm)						8.8	8.6	7.7	7.0	6.4																								
																										(Set the focusing ring at ∞.)									
		Reversed	Scale (mm)											102	112	123	134	144	155	166	177	187	198	209	230											
			Distance from lens to subject (cm)											6.2	5.3	4.7	4.2	3.8	3.5	3.3	3.1	2.9	2.8	2.6	2.4											
																										(Set the focusing ring at closest distance.)									
	ZUIKO 50mm F1.8	Normal	Scale (mm)						68	69	74	79	85																							
			Distance from lens to subject (cm)						9.4	9.2	8.3	7.6	7.0																								
		Reversed	Scale (mm)													78	89	99	109	120	130	140	151	161	171	197	223	231								
			Distance from lens to subject (cm)													7.8	7.2	6.7	6.3	6.1	5.8	5.6	5.5	5.3	5.2	4.9	4.8	4.7								
	ZUIKO 50mm F1.4	Normal	Scale (mm)						68	69	74	79	85																							
			Distance from lens to subject (cm)						8.4	8.2	7.3	6.6	6.0																								
		Reversed	Scale (mm)												73	74	84	95	105	115	126	136	146	157	167	193	219	231								
			Distance from lens to subject (cm)												7.8	7.8	7.2	6.7	6.3	6.0	5.8	5.6	5.4	5.3	5.2	4.9	4.8	4.7								
																										(Set the focusing ring at ∞.)									
	ZUIKO 55mm F1.2	Normal	Scale (mm)						68	72	78	83	89																							
			Distance from lens to subject (cm)						8.9	8.0	7.0	6.2	5.6																								
		Reversed	Scale (mm)														89	93	104	115	126	137	149	160	171	182	211	231								
			Distance from lens to subject (cm)														7.7	7.5	7.0	6.6	6.3	6.0	5.8	5.6	5.5	5.3	5.1	4.9								
																										(Use the adapter ring 55→49mm.)									

AUTO EXTENSION TUBES 7/14/25



Summary

- These tubes are used as adapters to mount OM System lenses on the OM bodies to take close-ups.
- Each tube incorporates a coupling lever to automatically stop down the lens diaphragm to the preset aperture at the exposure.

Main Characteristics

- The respective lengths of these tubes are 7mm, 14mm and 25mm, which make seven different lengths by single or combined uses.
- They can be mounted on the camera body by bayonet mounting as in case with the standard lenses.
- If all of these three tubes are used in conjunction with the 50mm F1.8, it is possible to achieve a life size magnification or 2.3×3.4cm with a lens-to-subject distance 6.8cm.
- The 25mm extension tube can be used to extend the magnification range of the Zuiko Macro Lens 50mm to 1/2 and 1/1 (life size).
  For life-size pictures, however, most recommended is the 1:1 Macro 80mm F4.

Notes · Related Units

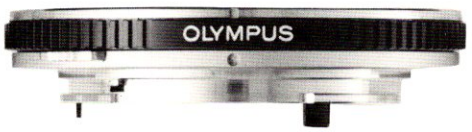
- The depth of field is extremely small in close-up work. Therefore, not only correct focus but also a small aperture such as F8 or F11 are recommended.
- Even a smallest movement of the camera affects pictures especially when enlarged to great extent. To avoid this, make it a point to use a focusing stage, tripod and cable release whenever available.

Auto Extension Tube 7
Stock NO. 104-013
Auto Extension Tube 14
Stock NO. 104-014
Auto Extension Tube 25
Stock NO. 104-015

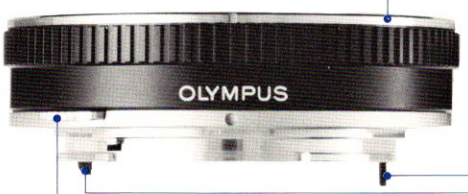
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OM SYSTEM AUTO EXTENSION TUBES 7/14/25

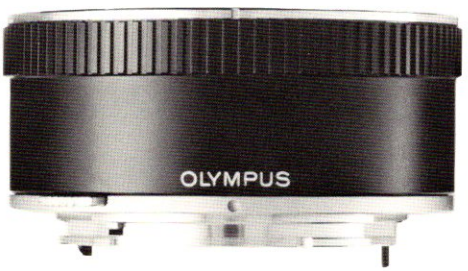
Auto Extension Tube 7



Auto Extension Tube 14



Auto Extension Tube 25



Actual size

● Lens Mounting Ring
Accepts the camera lens or extension tube.

● Meter Coupling
Connects to the exposure meter built in the OM body for stopping down measurement.

● Coupling Lever
Links up with the automatic lever of the lens.

● Release Button
To remove the tube from camera, press this button and rotate the tube counterclockwise by 70° in the same manner as with the lens. To mount the tube do not apply pressure to the release button during the mounting procedure.

TABLE OF CLOSE-UP RANGES

Lens	Tubes \ Covering Area / Magnification	0.1 (mm 360×240 / (inch) 14.2×9.4)	0.2 (180×120 / 7.1×4.7)	0.3 (120×80 / 4.7×3.1)	0.4 (90×60 / 3.5×2.4)	0.5 (72×48 / 2.8×1.9)	0.6 (60×40 / 2.4×1.6)	0.7 (51.4×34.3 / 2.0×1.4)	0.8 (45×30 / 1.8×1.2)	0.9 (40×26.4 / 1.6×1.0)	1.0 (36×24 / 1.4×0.9)	1.1 (32.7×21.8 / 1.3×0.9)	1.2 (30×20 / 1.2×0.8)	1.3 (27.7×18.5 / 1.1×0.7)	1.4 (25.7×17.1 / 1.0×0.7)	1.5 (24×16 / 0.9×0.6)
Std. 50mm F1.8	7	39.1(1.5)	◄	20.0(0.8)												
	14		20.5(0.8)	◄	14.1(0.6)											
	7+14			14.3(0.6)	◄	11.0(0.4)										
	25				12.4(0.5)	◄	10.0(0.4)									
	7+25					10.1(0.4)	◄	8.5(0.3)								
	14+25						8.6(0.3)	◄	7.5(0.3)							
	7+14+25							7.6(0.3)	◄	6.8(0.3)						
Std. 50mm F1.4	7	34.1(1.3)	◄	19.1(0.8)												
	14		19.5(0.8)	◄	13.1(0.5)											
	7+14			13.3(0.5)	◄	10.1(0.4)										
	25				11.4(0.4)	◄	9.0(0.4)									
	7+25					9.1(0.4)	◄	7.5(0.3)								
	14+25						7.6(0.3)	◄	6.5(0.3)							
	7+14+25							6.5(0.3)	◄	5.8(0.2)						
Std. 55mm F1.2	7	43.8(1.7)	◄	16.9(0.7)												
	14		21.9(0.9)	◄	13.5(0.5)											
	7+14			14.6(0.6)	◄	10.3(0.4)										
	25				12.4(0.5)	◄	9.2(0.4)									
	7+25					9.7(0.4)	◄	7.6(0.3)								
	14+25						7.9(0.3)	◄	6.5(0.3)							
	7+14+25							6.7(0.3)	◄	5.6(0.2)						
Macro 50mm F3.5	25				8.8(0.3)	◄					6.4(0.3)					

Numbers printed at both ends of each bar ◄► indicate distances in mm (inches) between lens and subject.
Light blue area indicates magnification ranges of standard lenses without extension tubes.
You can obtain optimum resolution at 0.5× magnification when the Macro 50mm F3.5 lens is used with the auto extension tube 25.

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TELESCOPIC AUTO TUBE 65-116



Summary

- This unique Telescopic Auto Tube functions as a portable bellows for outstanding versatility and convenience in outdoor macrophotography, medical close-up photography, etc.

Main Characteristics

- It telescopes in a direct outward motion, minimizing the risk of frightening animal or insect subjects.
- It allows automatic aperturing (with the Zuiko MC Macro 135mm F4.5 and 1:1 Macro 80mm F4, 50mm F3.5 and other 50mm～200mm OM system lenses).
- Magnifications can be continuously changed between infinity and 0.43X for the Auto Macro 135mm. With the Telescopic Auto Tube, this lens can also be used for telephotography at infinity as an ordinary 135 mm telephoto lens.
- The 80mm F4 macro lens has a magnification range with the Auto Tube from 0.5X to 1.2x which can be further extended to 1X-2X in conjunction with the close-up lens 80mm macro.

OLYMPUS

Notes · Related Units

- In close-up photography the depth of field is so small that pinpoint focusing and lens apertures of F8 or smaller are needed for good results.
- When a tripod is used, make sure to connect the tripod to the Auto Tube.
- The Auto Tube can be used either for vertical or horizontal formats.
- In conjunction with a T10 Ring Flash 1, the Auto Tube permits flash photography of extremely close-up subjects.
- This unit can be used with any OM lenses between 50mm and 200mm.
- This unit should be used after locking the Auto Tube extension.
- Focusing screens 1-4, 1-10, 1-11 and 1-12 are recommended for use with the Auto Tube.
- Do not use two Auto Tubes or more simultaneously or an Auto Tube in conjunction with extension rings.

Stock number (s) shown on next page

● **Automatic Diaphragm Lever**
This lever closes down the lens diaphragm to the preselected aperture at the moment the shutter is released.

● **Tube Release Button**
Press this button and turn the Auto Tube 70° clockwise to detach from the camera. During mounting (after aligning red dots), the button should not be pressed.

● **Extension Ring (B)**

● **Extension Ring (A)**

● **Magnification Indications**
Magnification indications are engraved on the extension rings A and B for 135 mm and 80mm, macro lenses. In addition a scale from 65mm to 116mm in increments of 5mm is graduated as a guideline for use of other lenses.



Tubes are compressed down to 65mm.

● **Meter Coupling Lever**
This lever transmits selected apertures to the exposure meter.



Tubes are extended all the way up to 116mm.

● **Body Mount Ring**

Actual size

● Main Specifications

Camera: OM bodies.

Lens mount: OM Mount bayonet type (rotation angle 70°).

Lenses: OM System lenses between 50mm and 200mm.

Extension range: 65mm to 116mm (2.6" to 4.6").

Focusing: Directly outward telescoping motion with lock at any position (locking rotation angle 15°).

Automatic aperture control: Bayonet mount for interlocking with lens diaphragm and meter coupling lever for automatic stop down control and exposure metering.

Tripod mount: Accepts any tripod, allowing photography at any angle.

Magnification indication: For automatic aperturing with Zuiko MC Auto Macro 135mm and MC Auto-1:1 Macro 80mm lenses; with scale from 65mm to 115mm in 5mm increments.

Photographic ranges: ∞ to 0.43×··· Zuiko MC Macro 135mm F4.5

0.5× to 1.2×··· Zuiko MC 1:1 Macro 80mm F4

1× to 2×··· Zuiko MC 1:1 Macro 80mm F4 + Close-up lens 80mm Macro.

Dimensions and weight: 70mm diam.×65mm (2.8"diam.×2.6"), 325g (11.5 oz.)

Tripod mount: 100g (3.5 oz.)

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OM SYSTEM TELESCOPIC AUTO TUBE 65-116

● **Slide Ring**
Rotate the slide ring in the direction of the arrow to lock, and reverse to unlock and adjust the extension until the desired magnification is obtained. The extension ring (A) should be extended after the ring (B) is fully extended only when necessary.

● **Lock Index**



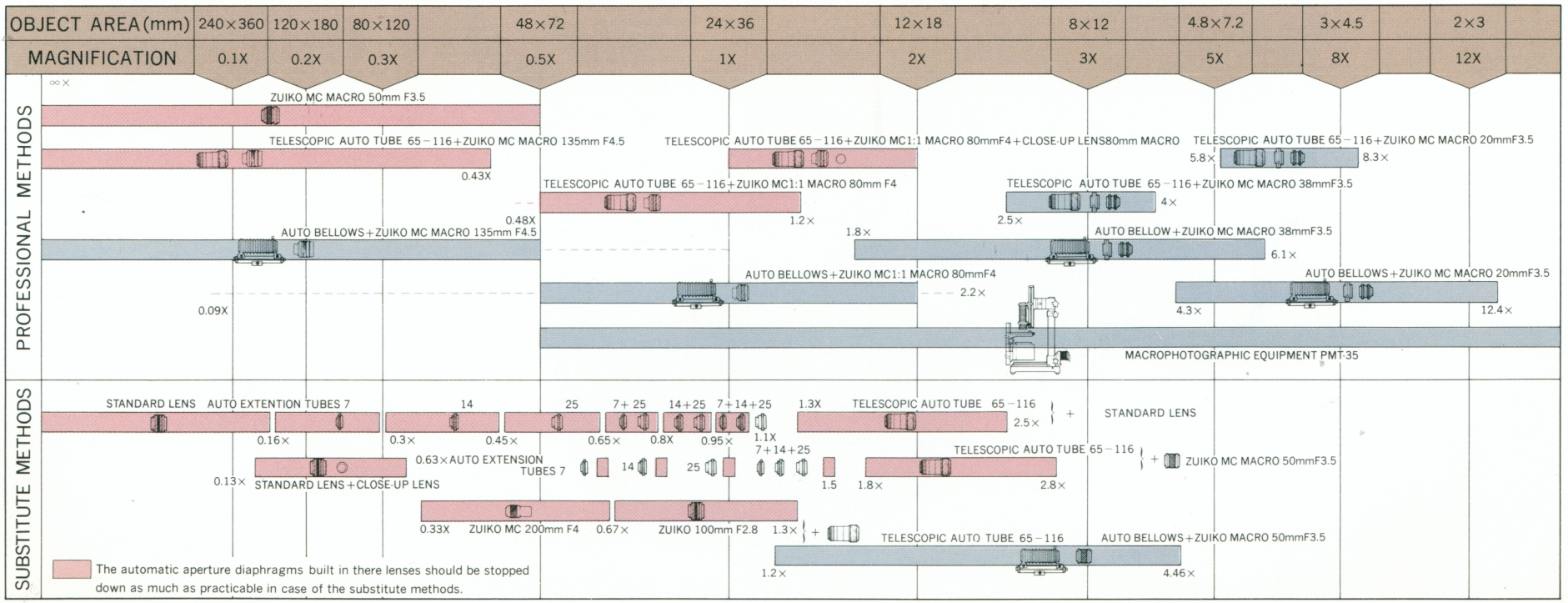
● **Lens Mount**
Accepts any OM lenses between 50mm and 200mm.

● **Tripod Mount**
Rotatable through 360° so that the camera can be set at any angle.
This mount can be removed from the Auto Tube, for more convenient hand-held photography.

● **Clamping Screw**
Loosen this screw to turn the Auto Tube for vertical or horizontal position.

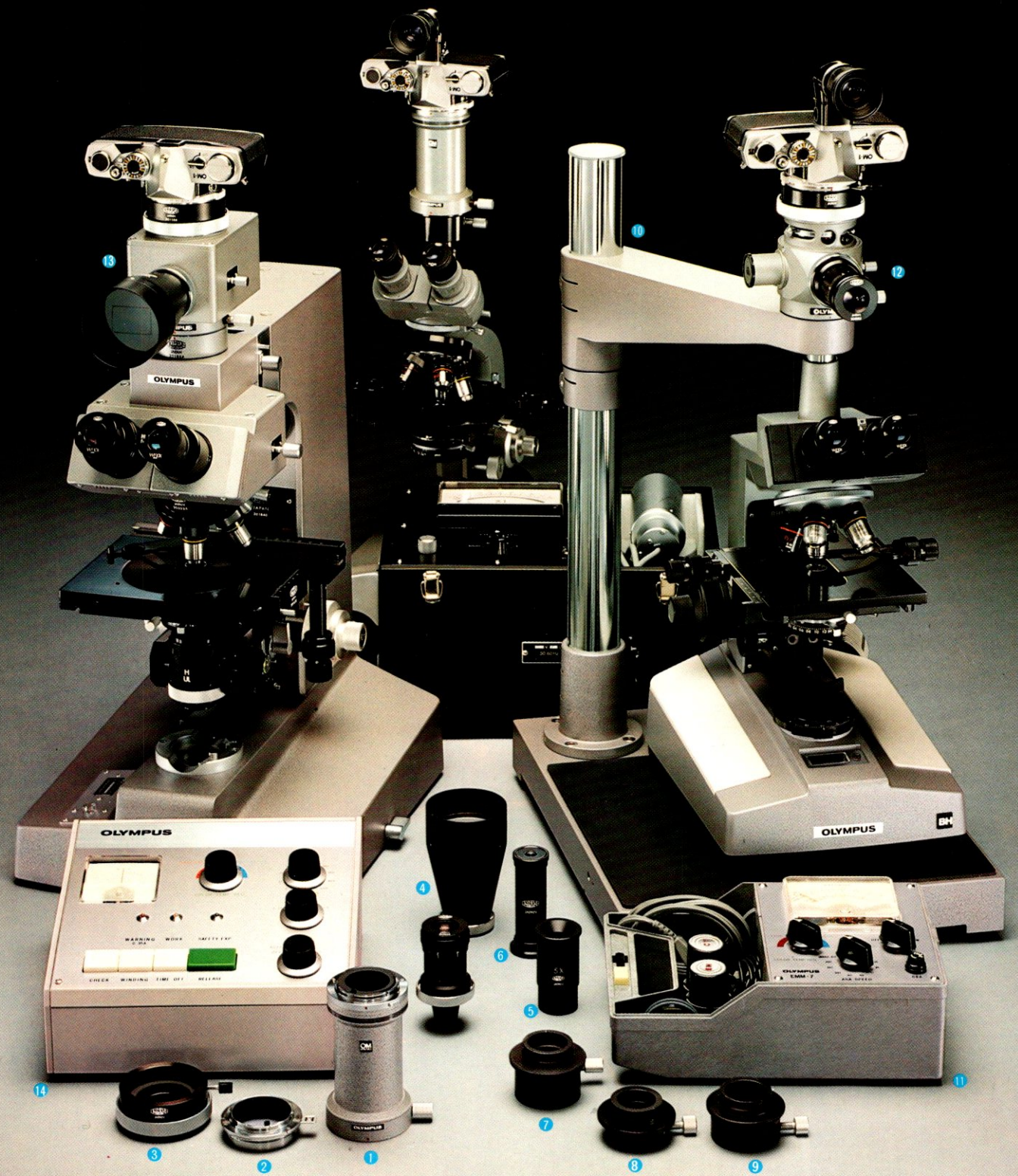
● **Tripod Socket**

Actual size



Telescopic Auto Tube 65-116
Stock NO. 104-016

PHOTOMICRO GROUP


OLYMPUS
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OM-MOUNT PHOTOMICRO ADAPTER L



Summary

- A simple photomicrographic adapter for use of OM camera bodies in conjunction with microscopes.

Main Characteristics

- A special eyepiece adapter is required to mount an eyepiece into the photo tube of an ordinary microscope for objective magnifications up to 20X.
- No special eyepiece adapter is required to mount an eyepiece to the Olympus Research Microscope VANOX or Photomicrographic Stand (p.612).
  It assures sharply focused photomicrographs over the whole range of magnifications, eliminating any shutter vibration.

Notes • Related Units

- A special eyepiece adapter (p.611) is required to mount an eyepiece to an ordinary microscope.
- If used with the Olympus Research Microscope VANOX or Photomicrographic Stand PM-PSS (p.612), no special eyepiece adapter is required.
- Use the focusing screen 1-12 for photomicrography (p.201).
- The Varimagni Finder (p.212) is recommend in conjunction with the Eyecoupler (p.221) for sharp focusing in photomicrography.

OM-MOUNT PHOTOMICRO ADAPTER L

● Meter Coupling
Sets the exposure meter built into the camera body to the exposure Value necessary for photo micrography.

● Camera Mounting Ring
Connects to the OM body by means of bayonet mounting in the same manner as normal lenses.

● Microscope Mounting Ring
Fit the Adapter L on the eyepiece adapter, Research Microscope VANOX or Photomicrographic Stand PM-PSS.

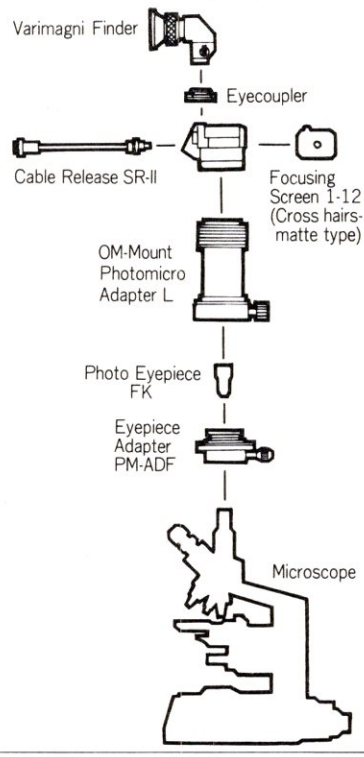


Actual size

● Adapter Release Button
Press the button and rotate the adapter L counter-clockwise by 70° to remove.
For mounting, do not press the button.

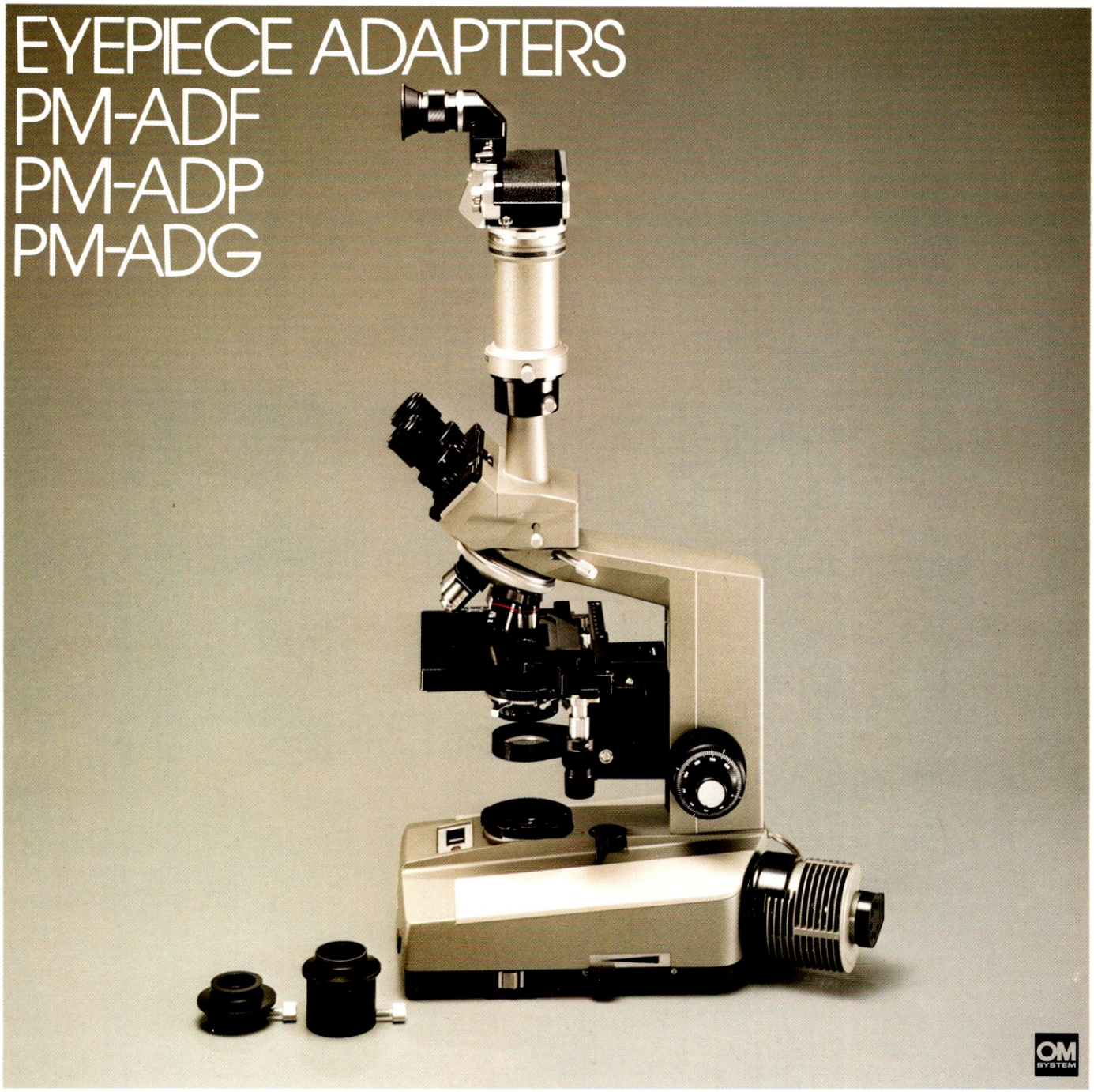
● Microscope Clamping Screw
Clamp the adapter with screw provided.

(Typical use of OM-Mount Photomicro Adapter L)



OLYMPUS

EYEPIECE ADAPTERS
PM-ADF
PM-ADP
PM-ADG



Summary

- These are designed to mount an eyepiece on a microscope for photomicrography with the OM System cameras.

Main Characteristics

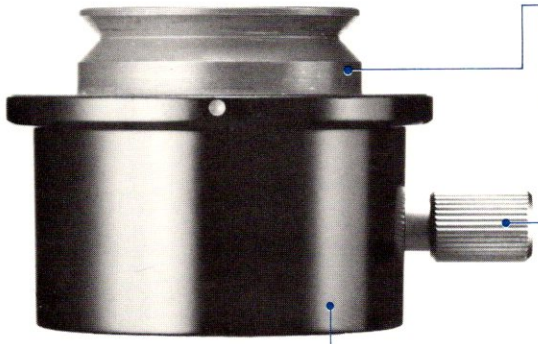
- Three types are available in accordance with the type of Olympus eyepieces FK, P, and G in use.
- The Adapter PM-ADF is designed for Photo Eyepiece FK, the Adapter PM-ADP for Viewing Eyepiece P, and the Adapter PM-ADG for Stereoscopic Eyepiece G.

Notes • Related Units

- The letters "FK", "P" or "G" engraved on each eyepiece indicate the eyepiece type.
- Photo eyepieces FK are preferable for photomicrography.
- If picture magnifications (or total magnifications) are the same, optimum structural details of the object can be photographed by means of a higher-objective-and-lower-eyepiece combination.

OM SYSTEM EYEPIECE ADAPTERS PM-ADF/PM-ADP/PM-ADG

Eyepiece Adapter PM-ADF

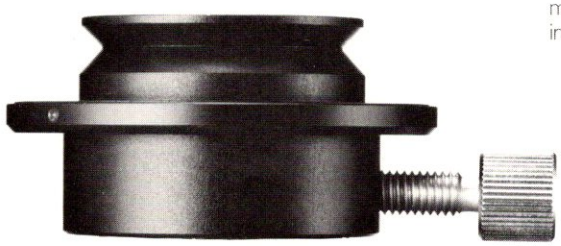


● **Camera Assembly Mount**
Accepts the OM-Mount Photomicro Adapter L, Automatic Exposure Body PM-PBA or Manual Exposure Body PM-PBM.

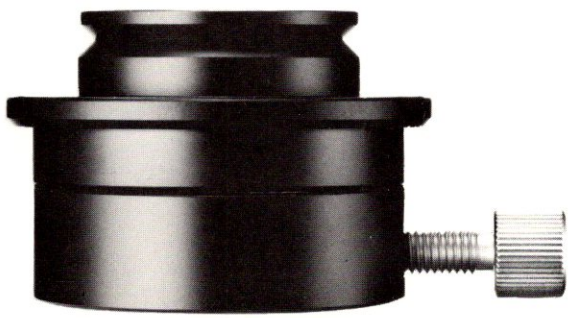
● **Clamping Screw**

● **Microscope Mount**
Fits into the eyepiece sleeve of a microscope and tightens with clamping screw.

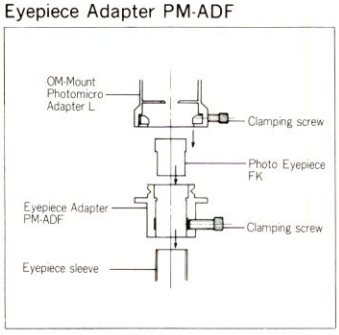
Eyepiece Adapter PM-ADP



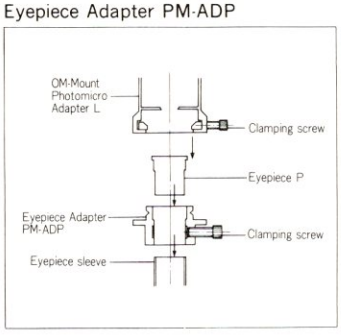
Eyepiece Adapter PM-ADG
Consists of an upper and a lower part. When used with an Eyepiece G10X, insert the G10X into the lower part and screw the upper part on it before mounting the entire unit to the eyepiece sleeve.



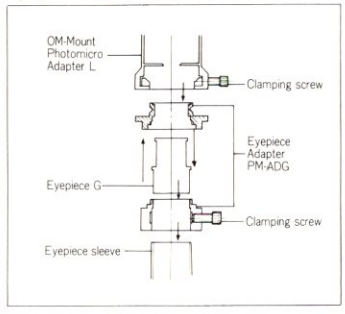
Eyepiece Adapter PM-ADF

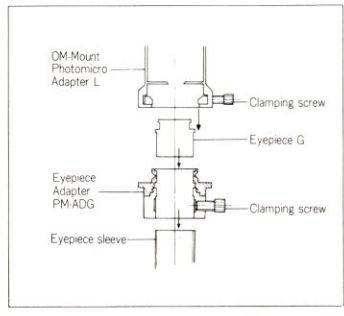


Eyepiece Adapter PM-ADP



Eyepiece Adapter PM-ADG





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PHOTOTECHNICAL GROUP



❶ Recordata Back 1 ❷ Memo Holder Back 1 ❸ Cable Release SR-II ❹ Double Cable Release ❺ OM-Mount Lens Adapter for PEN F
❻ OM-Mount Astroscope Adapter ❼ OM-Mount MTX Adapter ❽ OM-Mount Endoscope Adapter ❾ Body Cap

RECORDATA BACK 1



Summary

- The Recordata Back 1 enables the photographers to record information in numerical and alphabetical symbols.

Main Characteristics

- By mounting on the OM body in place of the standard camera back, this unit is capable of recording information such as the year and month, month and day, or other numerical and alphabetical coding, directly in the right corner of the picture base.
- Imprinting can be coded by combination use of two dials. If you set one of them at blank position, you can imprint on the other side only.
- If no imprinting is required on both sides, disconnect the synchro cord from the synchro socket of the OM body, and this unit can be used as a normal camera back.
- It is capable of imprinting on color and B&W films.

Notes • Related Units

- Batteries are not included in the standard equipment.
  Three 1.5V silver batteries (Eveready S76 or equivalent) are recommended and available at any camera shops or scientific houses. The batteries should be replaced about in one year.
- The OM body in conjunction with the Recordata Back 1 can be contained in the soft case optionally available.
- In case the shutter speed is faster than 1/60 sec. at the X contact with the OM-2 in AUTO or MANUAL mode, the incorrect flash prevention system built in the body does not permit imprinting. In that case, connect the Recordata Back 1 to the FP contact.
- For use with the OM System Motor Drive at high shutter speeds, connect the unit to the FP contact.
- Do not pull the synchro cord with force to avoid electric disconnection.

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OM RECORDATA BACK 1

● Imprint Check Light
At the moment of shutter release it is possible to ascertain whether data can be imprinted or not by observing the imprint check light even while looking through the viewfinder, because it flashes red beside the viewfinder when data are imprinted.

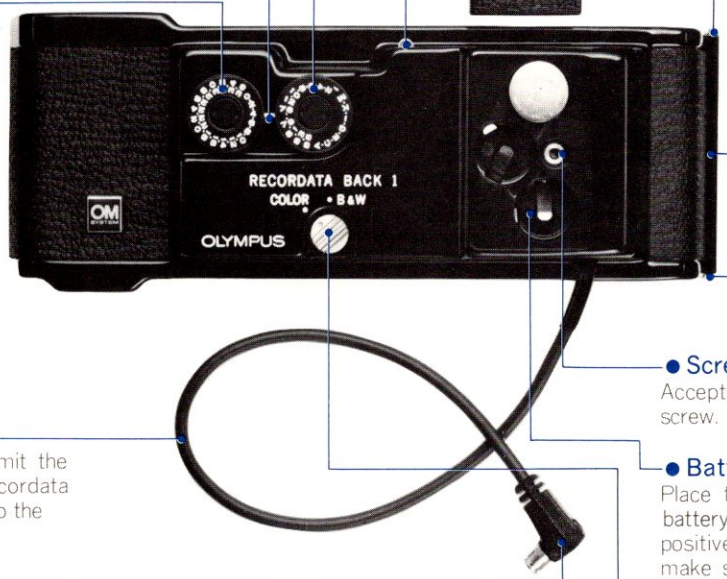
● Dial 1
This dial controls imprinting on the left side such as numbers 1 through 12, 75 through 84 and alphabets A through M (totaling 35 characters plus 3 blanks).

● Index Line
Align the dials to this index line to imprint symbols as desired.

● Dial 2
This dial imprints from 0 through 36 plus one blank on the right side.

● Cord
The cord is long enough to permit the opening or closing of the Recordata Back 1 with the plug connected to the OM body.

● Synchro Plug
Connect the synchro plug to the synchro socket of the OM body.
This plug can be connected to the X or FP contact of the OM-1 and OM-2. However, make a point of using the FP contact in the following cases:
1) When no electronic flash is used with the OM-2.
2) When the Motor Drive is used for high speed sequence filming.



● Battery Cover
Unscrew the battery cover for battery replacement.

● Battery Cover Clamping Screw
Insert a coin into the slot of the screw and rotate it counterclockwise until completely loose; then remove the cover.

● Upper Hinge Shaft
This is spring-loaded to fit into the upper socket of the OM body after depressing its hinge release pin.

● Hinge

● Lower Hinge Shaft
Insert the shaft into the lower socket of the OM body first, then fit the upper shaft into the upper socket.

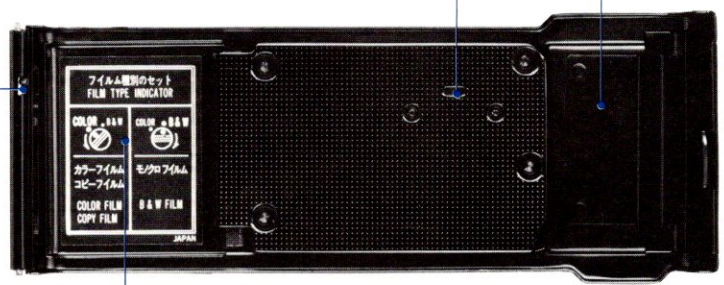
● Screw Thread
Accepts the battery cover clamping screw.

● Battery Chamber
Place three 1.5V silver batteries in the battery chamber, ascertaining that the positive side (+) faces out. You can make sure of the battery life by lighting the imprint check light.

● Color/B&W Film Indicator
Align the red dot on the indicator to the white dot or to the orange dot according to the film in use (see the film type indication on the back of the Recordata Back 1).

● Data Imprinting Window
Symbols coded by dials can be imprinted from the film back through this window.

● Hinge Release Pin
Press down the hinge release pin and insert or remove the upper hinge shaft into or from the upper socket of the OM body.



● Film Cartridge Holder

● Film Type Indication
Films are classified by the average exposure amounts of various films. If the contrast of the imprinted symbols is too high at "COLOR" setting, reset the film indicator to the "B&W" setting. If the imprint contrast is too low at "B&W" setting, reset it to "COLOR" setting.

● Main Specifications

Mounting: Removable hinge type	**Film-type setting:** Film indicator switch preset for color or B&W films
Position & type of imprinting data: In the film frame at right, lower corner—on the left side: 1···12, 75···84; A,B···M (35 characters in total plus 3 blanks)—on the right side: 0, 1···36 (37 in total plus 1 blank)	**Imprinting time:** Simultaneously with shutter release
	Batteries: Three 1.5V silver batteries (Eveready S76 or equivalent)
	Safety device for electronic flash: High voltage prevention circuit built-in
Size of data: 0.7mm high on film plane	**Dimensions:** 138×53×28mm ($5\frac{7}{16}\times2\frac{1}{16}\times1\frac{1}{16}$")
Indication of data: Two dials preset at index line	**Weight:** 95g ($2\frac{1}{2}$ oz.) without batteries
Check of imprinting: Signal by the light-emitting diode	

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RECORDATA BACK 3



Summary

- The Recordata Back 3 replaces the standard back to imprint the date or the time directly on the film.

Main Characteristics

- Mounted on the OM body, this unit is capable of imprinting a date coded year, month and day, or a time coded day, hour and minute in the lower right corner of the picture (with camera held in the horizontal position).
- If no imprinting is required, switch off the liquid crystal display and the unit will function as an ordinary back.
- It can be left on the camera as a standard back permanently, and also used as a watch.
- Simple pushbutton operation allows correction or change in the coded date or time as desired.
- Data can be imprinted on any film (color film between ASA25-400 and B&W film of ASA 80 or above).

OLYMPUS

Notes · Related Units

- Two 1.5V silver oxide batteries SR44 (Eveready EPX-76) or alkaline-manganese batteries LR44 (A76) or equivalent should be used. Silver oxide batteries will last for about 2 years; alkaline-manganese batteries for about six months.
- A special semi-hard case is optionally available to contain an OM body with attached Recordata Back 3.
- The OM-1 and OM-2 (without the "N" designation) must use the synch cord provided.
- If no flash is used in conjunction with the OM-2 (without the "N" designation), set the flash synch secletor at the FP position.
  If the flash synch selector is set at the X position for simultaneous use of a flash and the Back 3, when the shutter speed is 1/60 sec. or flaster, the flash does not fire and no data will be imprinted because of the incorrect flash prevention system built in the camera.

Stock number(s) shown-on next page

OM RECORDATA BACK 3

● Control Panel Cover

● Data Imprint/Non-imprint Selector Button
Pressing this button selects the date, time and no-imprinting mode in turn.

● Film type/Mode Setting Button
Pressing this button allows selection of film type and setting mode in sequence.

● Year/Month/Day/Hour/Minute Setting Button
Pressing this button repeatedly blinks on the indications of the year, month, etc. in this order. The blinking digits can be corrected by means of the correction button below.

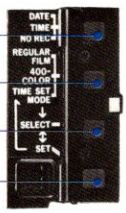
● Date & Time Correction/Battery Check/Time Button
In addition to the functions indicated by its name, this button can be used to fast forward the time/date indications by continuous pressure as well as for specific selection of digits at each press of the button.

● Hinge Release Pin
Press down the hinge release pin to insert or remove the upper hinge shaft at the upper socket of the OM body.

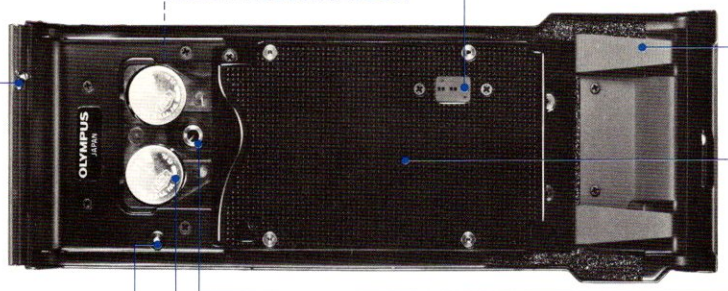
● Display Window
Date, time or no imprint can be indicated. Data on liquid crystal display will be imprinted on the film except the letters "SET, AM, PM and 400 COLOR".



Control panel







● Direct Contact Pin
Data imprinting is synchronized with the shutter release via this contact pin, which eliminates the need for a Recordata cord for OM-1N and OM-2N.

● Upper Hinge Shaft
This is spring-loaded to fit into the upper socket of the OM body after depressing the hinge release pin.

● Hinge

● Lower Hinge Shaft
Insert the shaft into the lower socket of the OM body first, then fit the upper shaft into the upper socket.

● Recordata Cord Jack
Accepts the plug of the Recordata cord to connect to the OM-1 or OM-2 (without "N" designation).

● Battery Cover
Unscrew to replace batteries.

● Battery Cover Clamping Screw
Insert a coin into the slot of the screw and rotate it until completely loose; then remove the cover.

● Data Imprinting Window
Data can be imprinted on the film through this window.

● Film Cartridge Holder

● Pressure Plate

● Screw Thread
Accepts the battery cover clamping screw.

● Battery Chamber
Place two 1.5V silver oxide batteries or alkaline-manganese batteries in the chamber, with the (+) marks outside as indicated inside the chamber.
Upon correct insertion of the batteries, the display window indicates 70-1-1.



Camera Plug
Connects to the synch. socket of the OM-1 and OM-2 bodies (without the "N" designation) either at the X or FP contact. However, make a point of using the FP contact in the following cases: 1) When no electronic flash is used. 2) When the Motor Drive is used for high speed sequence filming.

Connecting Cord
(Required with the OM-1 and OM-2. OM-1N and OM-2N do not require a connecting cord.)

● Recordata Plug
Connects to the Recordata Cord Jack.

● Main Specifications

Cameras: OM-1 and OM-2.	**Film speed range:** Color. ASA 25-400. B&W ASA 80 or above.
Mounting: Removable hinge type.	**Display control:** 4-pushbutton operation.
Position and size of imprinted data: In the bottom right-hand corner of the horizontal picture; figures approx. 0.7mm (0.03") high on film.	**Camera synch.:** Via direct contact pin (with OM-2N and OM-1N) or detachable Recordata cord (with OM-2 and OM-1).
Data codings: (1) Data (year-month-day) (2) Time (day-hour-minute) (3) No recording.	**Batteries:** Two 1.5V alkaline-manganese batteries LR44 (A76) or two 1.5V silver oxide batteries SR44 (Eveready EPX-76 or equivalent).
External indication of data: Data display on liquid crystal panel for approx. 5 years.	**Dimensions and weight:** 138 × 53 × 22mm (5.4" × 2.1" × 0.9"). 100g (3.5oz.) (less batteries).
Automatic calendar system and accuracy: Year indication from 70 to 09 in link system. Accuracy within ±15 seconds per month at 15° to 35° C (59° to 95° F).	

OLYMPUS

Recordata Back 3
Stock No. 108-904

CASE GROUP



❶ Hard Case for OM Body with F1.8 or F 1.4 ❷ Hard Case for OM Body with F1.2 ❸ Semi-Hard Case for OM Body with F 1.8 or F1.4
❹ Semi-Hard Case for OM Body with F1.2 ❺ Soft Case for OM Body with F1.8 or F1.4 ❻ Soft Case for OM Body with F1.2
❼ Leatherette Shoulder Strap ❽ Leather Shoulder Strap ❾ Flat Braid Shoulder Strap ❿ Round Braid Shoulder Strap ⓫ Shoulder Pad
⓬ Lens Pouch 100 ⓭ Lens Pouch 200 ⓮ Compartment Case S ⓯ Compartment Case M ⓰ Compartment Case L ⓱ Partitioned Insert

821

COMPARTMENT CASE L& PARTITIONED INSERT



Summary

- A large-size semi-hard leather case.

Main Characteristics

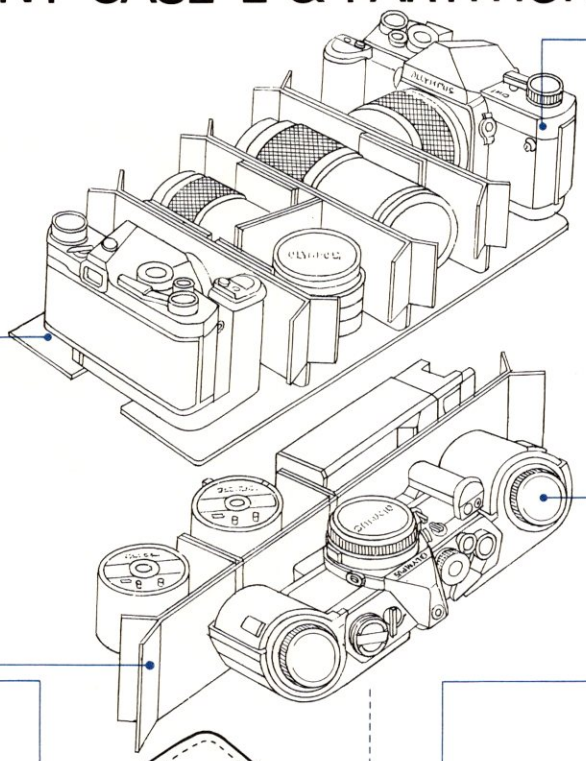
- It can be slung over the shoulder or carried by hand.
- It can hold two camera bodies, six to eight lenses if smaller than 300mm telephoto in length, and other units.
- If the partitions inside the case are put flat, even a Linhof camera can be accommodated.
- This case can be used as an ordinary bag after removing the sturdy support for two cameras and all the partitions.
- If an optionally available partitioned insert is used in place of the standard partitions, the case L accommodates motor drive equipment.
- The motor drive equipment includes two OM bodies provided with the Motor Drive 1 or Winder 1, one OM body with a 250 Film Back 1 and a pair of 250 film magazines plus another pair of magazines, all of which are held firmly in the two level partitions.

OM SYSTEM COMPARTMENT CASE L & PARTITIONED INSERT

● **Partitioned Insert**
A partitioned insert is optionally available to hold motor drive sets in two layer partitions.

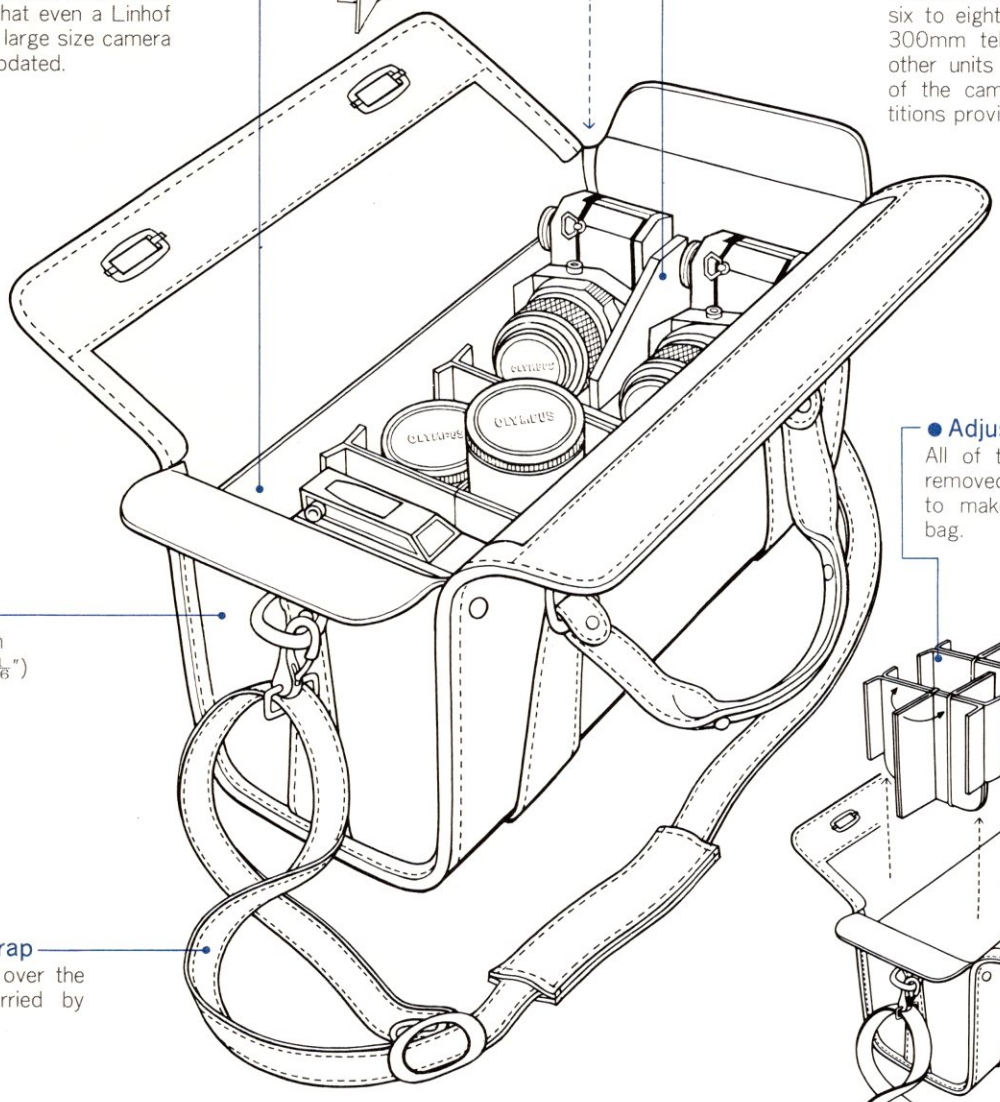
● **Sample Contents**
One of the two OM bodies is provided with the Motor Drive 1 and the other with the Winder 1.

● **Sample Contents**
One OM body with the 250 Film Back 1 and a pair of 250 film magazines and another pair of magazines plus lenses and power source unit for the motor drive.

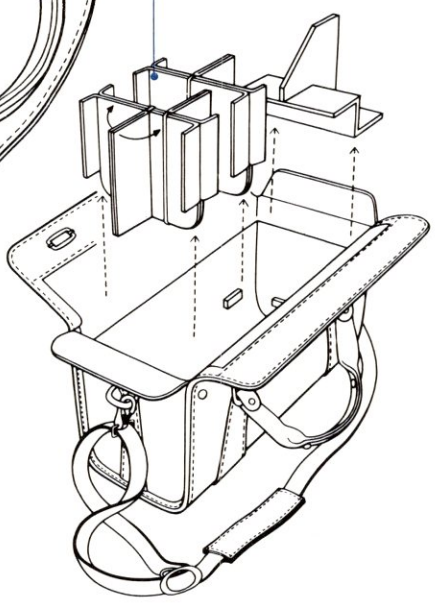


● **Sample Contents**
The partitions inside the case can be put flat so that even a Linhof camera or other large size camera can be accommodated.

● **Sample Contents**
The case can hold two OM bodies, six to eight lenses if smaller than 300mm telephoto in length and other units by the combined use of the camera support and partitions provided.



● **Adjustable Partitions**
All of the partitions are removed from the case to make it an ordinary bag.



● **Size:**
38×21×23cm
($4\frac{15}{16}\times8\frac{1}{4}\times9\frac{1}{16}$")

● **Shoulder Strap**
It can be slung over the shoulder or carried by hand.

OLYMPUS

822

COMPARTMENT CASE M



Summary

- A soft leather case of medium size.

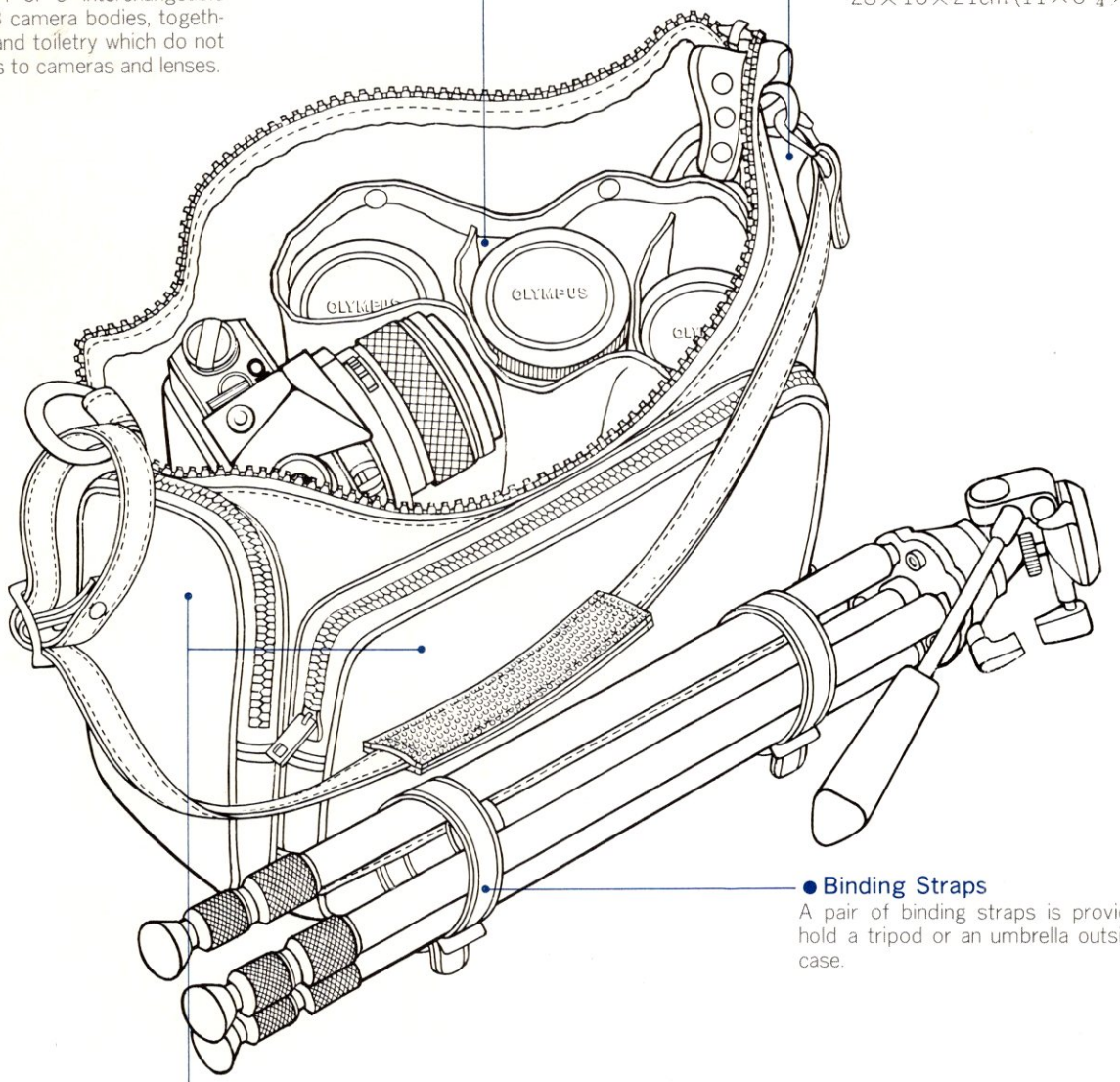
Main Characteristics

- A versatile soft shoulder case is able to hold four or five interchangeable lenses and two or three camera bodies, conveniently portable for extended or short trips.
- It also accommodates clothing and toiletry for travelling, in addition to photographic equipment; permits camera and lenses to be taken out freely.
- Removable partitions are provided to hold cameras and lenses in position safely without their individual cases, permitting quick lens changing on the camera inside the case while it is slung over the photographer's shoulder.
- The partitions accommodate up to three lenses not larger than the 200mm telephoto lens. Provided with a cushioned lens pouch and camera holder to retain a camera on the clothing in the case.
- The camera holder is attachable on the right or left wall of the case as preferred. If one more camera holder is obtained, two camera bodies can be held, on each side of the case simultaneously.
- Two pockets with zippers are provided outside the case, for auxiliary photographic equipment.
- A pair of binding straps is provided to hold a tripod or an umbrella outside the case.

OM SYSTEM COMPARTMENT CASE M

● **Sample Contents**
Accommodates 4 or 5 interchangeable lenses and 2 or 3 camera bodies, together with clothing and toiletry which do not block free access to cameras and lenses.

● **Size:**
28×16×21cm (11×6$\frac{1}{4}$×8$\frac{1}{4}$")

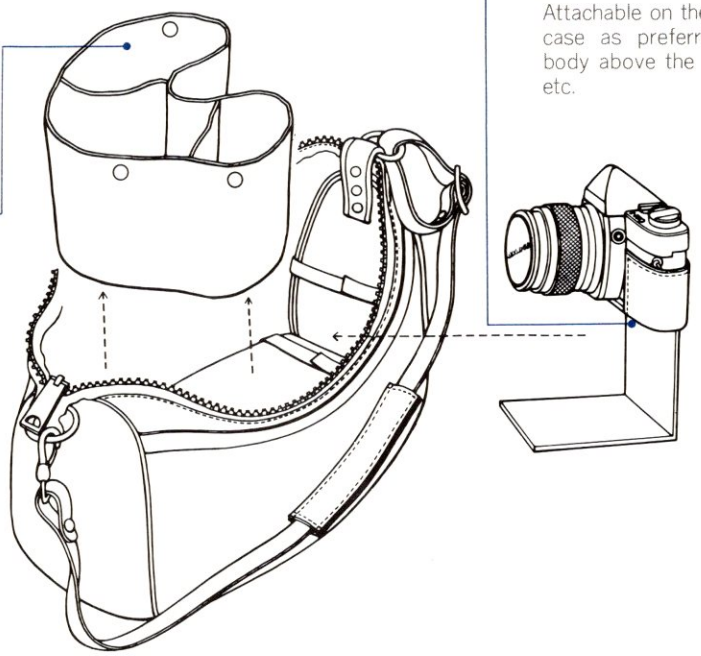


● **Binding Straps**
A pair of binding straps is provided to hold a tripod or an umbrella outside the case.

● **Pockets with Zippers**
Two pockects are provided outside the case to hold auxiliary photographic equipment for extra convenience.

● **Camera Holder**
Attachable on the right or left wall of the case as preferred. It supports an OM body above the lens pouch and clothing, etc.

● **Lens Pouch**
A cushioned pouch securely contains up to 3 lenses not larger than 200mm telephoto without individual cases. The pouch is hooked in place.



OLYMPUS

COMPARTMENT CASE S



Summary

- A small-size hard shoulder case with leather surface.

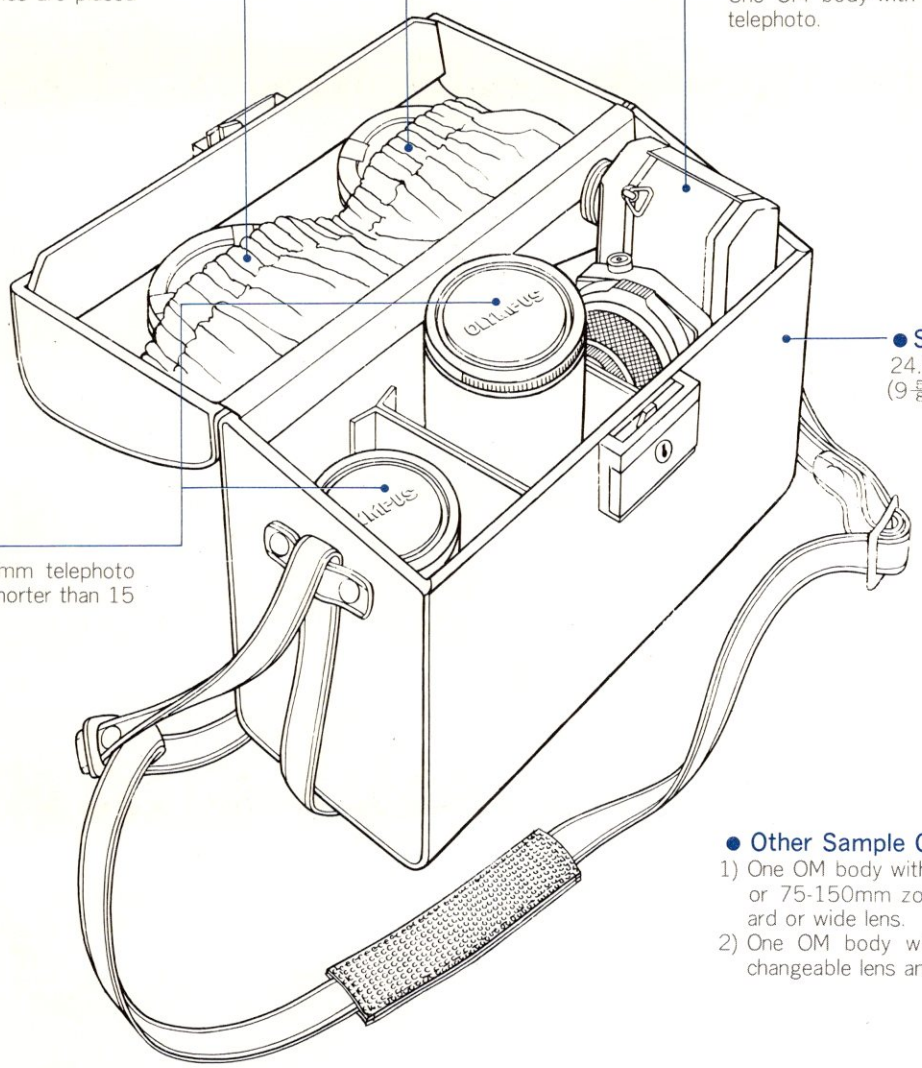
Main Characteristics

- Can hold one OM body, three interchangeable lenses, filters, films and other small items.
- Any unit contained in this case can be held without its individual case so that it can be taken out instantly as desired.
- Two adjustable partitions can be set up as desired to hold units in the case.
- If all the partitions are removed, the case can be used as an ordinary box.
- Sample contents
  (1) One OM body with lens no longer than 100mm telephoto and two other lenses such as 200mm telephoto and 75-150 zoom, both shorter than 15 cm in length.
  (2) One OM body with 200mm telephoto or 75-150mm zoom plus one standard or wide lens.
  (3) One OM body with lens, an interchangeable lens and a Quick Auto 310.

OM COMPARTMENT CASE S

● **Pockets**
Filters or other small articles are placed here.

● **Sample Contents**
One OM body with lens up to 100mm telephoto.

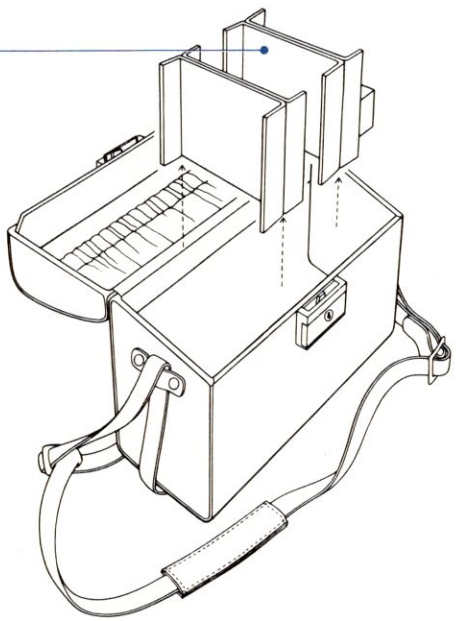


● **Size:**
24.5×9.5×16.5cm
(9 5/8×3 3/4×6 1/2")

● **Sample Contents**
Two lenses such as 200mm telephoto and 75-150 zoom, both shorter than 15 cm in length.

● **Other Sample Contents**
1) One OM body with 200mm telephoto or 75-150mm zoom plus one standard or wide lens.
2) One OM body with lens, one interchangeable lens and Quick Auto 310.

● **Partitions**
Two adjustable partitions can be set up as desired to hold units in the case. If removed, the case can be used as an ordinary box.



OLYMPUS