

CAMERA BODY GROUP



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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.

OLYMPUS

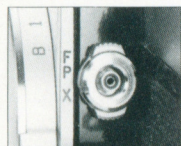
OM-1 BODY

● 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 photo-micrography, 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

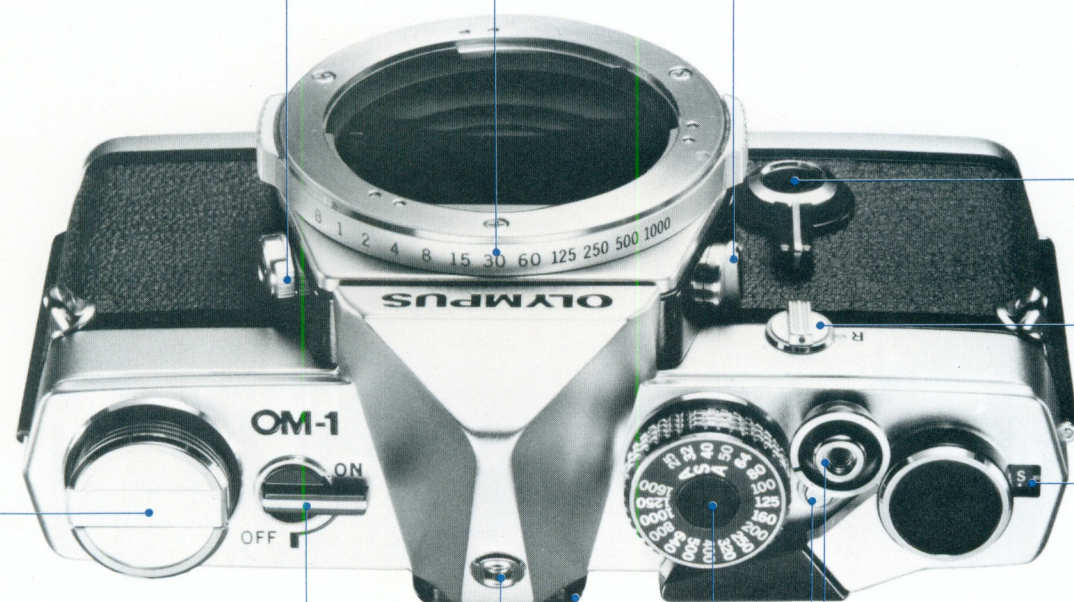
Moved from the bottom of the camera to the front. Ideal for film changing when the motor drive unit or a tripod is attached to the camera base. To rewind the film, turn the lever 90° counterclockwise to "R". Automatically resets when the film advance lever is operated.

● Viewfinder Eyepiece

Grooves on both sides of the eyepiece permit attachment of Varimaghi Finder, Eyecup 1, dioptic 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.



● 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.



Actual size

● 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

OM-1 BODY

● Main Specifications

System: OLYMPUS OM System.	Apparent field view: Vertical 23°30', horizontal 35°.
Unit type: 35mm Single Lens Reflex with focal plane shutter.	Indicator in viewfinder: Exposure index.
Film format: 24mm×36mm.	Reflex mirror: Oversize, quick return type with lock-up.
Lens mount: OLYMPUS OM Mount, bayonet type; rotation angle 70°, flange back 46mm. Zuiko Interchangeable Lens Group mountable.	Film loading: OLYMPUS easy loading.
Shutter: Focal plane shutter, B, 1—1/1,000 sec., ring mounted control.	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.
Synchro: FP·X switch type contact.	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 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.	Exposure counter: Progressive type with automatic reset.
Film speed setting: ASA25-1600 with lock button.	Film rewind: Crank type, with rewind release lever setting, automatic return.
Power source: 1.35V mercury battery (Eveready (or UCAR) EPX625, Mallory PX625 or equivalents).	Self-timer: 4—12 second delay lever type with 180° maximum angle. Can be stopped and reset after actuation.
Viewfinder: Pentaprism type wide-vision finder.	Camera back: Removable hinge type. Interchangeable with Recordata Back 1 and 250 Film Back 1.
Focusing screens: Wide selection of interchangeable screens. Standard type Focusing Screen 1-13 (microprism/split image-matte type).	Hot shoe socket: Accessory Shoe 1 attachable.
Finder view-field: 97% of actual picture field.	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.)
Viewfinder magnification: 0.92× at infinity with standard 50mm lens.	

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.

● Rewind Release Lever

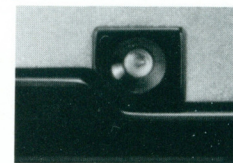
Moved from the bottom of the camera to the front. Ideal for film changing when the motor drive unit or a tripod is attached to the camera base. To rewind the film, turn the lever 90° counterclockwise. Automatically resets when the film advance lever is operated.

● 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.

● 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 Varimaghi Finder, Eyecup 1, Dioptic 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.

● 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 $\pm 2F$ stops in $\frac{1}{3}F$ 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.

● 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.

● 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

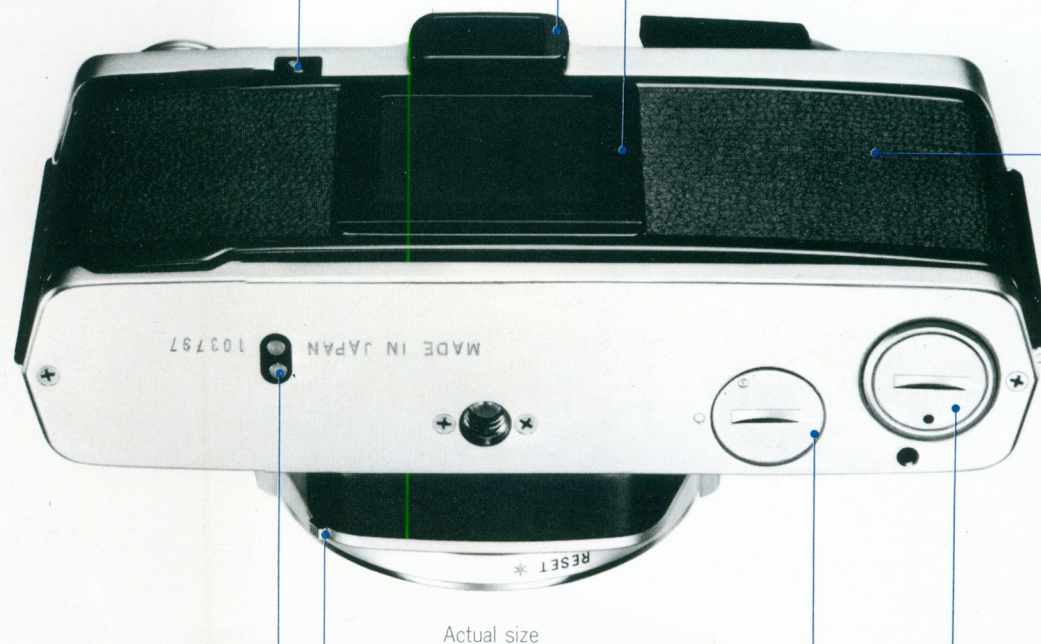
Interchangeable with the Recordata Back 1 or the 250 Film Back 1. To remove, push down the hinge pin.

● 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.



Actual size

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.)