

P&B

mamiya/sekor DTL series

the world's first 35mm
SLR with two thru-the-lens
metering systems in one camera



Mamiya/Sekor DTL System of Photography

The Mamiya/Sekor DTL Series 35mm single lens reflex cameras incorporate two separate thru-the-lens metering systems—one system for "Spot" readings and one system for "Averaging" or integrated readings. This technological breakthrough represents the most significant advance in 35mm Single Lens Reflex picture taking since Mamiya's engineers created the eminently successful TL series.

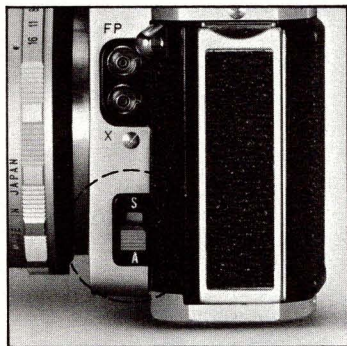
The Mamiya/Sekor DTL system offers the following advantages: (1) It measures the raw light as it passes through the lens, and this is done at the same aperture as is used in taking the picture. (2) It can be used as either a true spot meter, measuring only that portion of the picture deemed most important by the photographer—or an averaging meter, measuring the entire picture so as to

provide an average reading for a subject with a variety of contrasting tones. (3) It does not slow down the picture taking process because Mamiya/Sekor's Human Engineering controls, provide for switching the meter "on" and "off," and the selection of the "Spot" or the "Averaging" mode of light measurement while the camera is in the picture-taking position. (4) There are no complicated mechanical or electronic systems that may go out of adjustment and require expensive repairs. There are no special calculations or compensations to be applied when using non-automatic lenses or lens attachments.

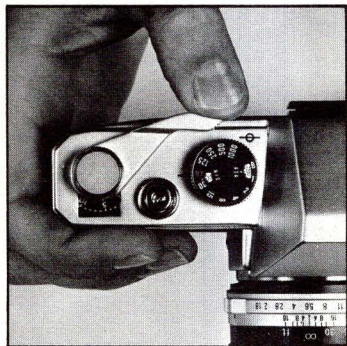
Best of all, Mamiya achieved the incorporation of two separate thru-the-lens metering systems in a single camera without any compromise whatever in the quick and efficient use of the camera.

[1] With a flick of the conveniently located **Spot/Average Selector Switch**, the photographer chooses either a spot system, reading just 6% of the total picture area as seen through the viewfinder, or an averaging system which integrates the readings from two CdS cells and averages the exposure for the entire picture area.

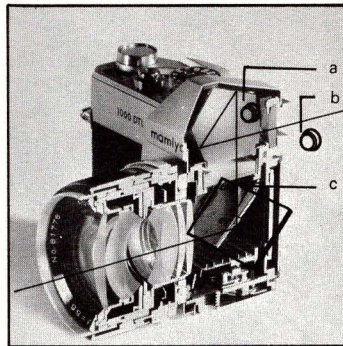
[2] To **activate the metering system**, the photographer has no need to remove the camera from the picture taking position. He simply presses forward on the film advance lever. This couples the meter system directly to both shutter speed and lens aperture. He may now change the lens aperture until he obtains the correct exposure for a pre-selected shutter speed, or he can change the shutter speed to obtain a correct reading to match a particular aperture and depth of field situation.



[1]



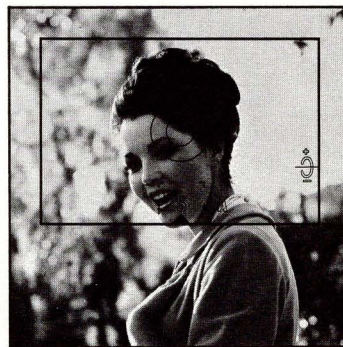
[2]



[3]

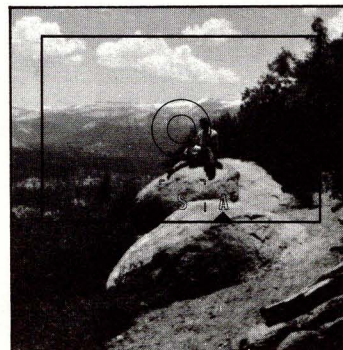
[3] **Location of CdS Meter Cells.**

[a] and [b] CdS cells for averaging meter system
[c] CdS cell for spot meter system



[4]

[4] The **Spot Meter System** employs one CdS cell located on the instant return mirror. This cell is centered on the upper portion of the mirror's rear surface. The actual reading area of the spot meter, 6% of the total picture as seen through the viewfinder, is clearly outlined in a rectangular area bracketed by engraved lines. 6% of the total picture area is precisely measured regardless of the focal length of the lens used.



[5]

[5] The **Averaging Meter System** employs two CdS cells, one located at either side of the viewfinder eyepiece inside the rear section of the penta-prism housing. These cells measure the light directly from the in-focus image on the viewing screen. A sensor in the metering system integrates the readings from the two cells and averages the exposure for the entire picture area.

Mamiya/Sekor DTL System of Photography

With the introduction of the new Mamiya/Sekor DTL Series cameras, it was unnecessary for Mamiya's engineers to sacrifice any of the superb innovations which were characteristic of the TL Series. In retaining and

improving upon Mamiya/Sekor's highly acclaimed Human Engineering features, the designers extended and enhanced the efficiency of a system already established as a leader in its field.

[1] The **film speed dial** incorporates both ASA and DIN scales, with new film speed ratings of from 25 to 3200 ASA and 15 to 36 DIN. All settings are clearly defined by engraved numbers. The electronic flash synchronization speed setting (1/60 sec.) is shown in red.

[2] An **exposure meter "off" locking button** is conveniently located on the top of the center shaft of the film advance lever. Simply depressing this button locks the meter in the "off" position and retracts the film advance lever.

[3] The large **viewfinder** on the DTL insures a comfortable and adequate view of the picture area as covered by the lens, even if the photographer wears glasses.

[4] The **oversized instant return mirror** of the DTL offers protection against a vignetted image when lenses of extremely long focal lengths are used, and distributes the light evenly over the entire viewing screen for effective viewing and accurate meter readings.

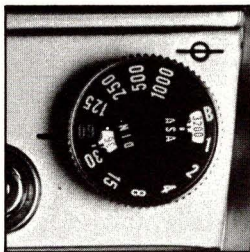
[5] Mamiya/Sekor's **Human Engineering design** places all the essential controls of the camera so that they may be operated with a minimum of effort on the part of the photographer. An entire roll of film may be correctly exposed in the DTL camera, covering a variety of lighting conditions without ever removing the camera from the picture taking position.

[6] **Mamiya/Sekor lenses** are characterized by their silky smooth action, functionally located controls and optical excellence. An added advantage of the universal thread lens mount is the availability of thousands of lenses of other manufacturers, all designed to fit this mount. The owner of the new DTL camera may choose 35mm SLR lenses of practically any focal length, mechanical construction or optical design.

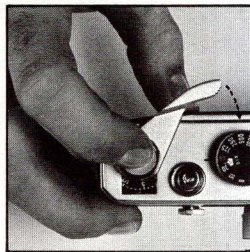
[7] **Focusing the Mamiya/Sekor DTL** is extremely easy, because of the efficient fresnel viewing screen with the micro-diaphragm rangefinder center spot and matte ring. This combination provides for a brilliant view of the subject, accurate determination of depth of field, and rapid critical focusing adjustments.

[8] A **visual control center** keeps the photographer in complete control of all camera operations. All control function indicators, including exposure needle and reference points, the 6% spot reading area, the "Spot" or "Average" mode indicator and a micro-diaphragm focusing spot, are precisely located in the viewfinder of the Mamiya/Sekor DTL, providing continuous visual control of all the camera's functions.

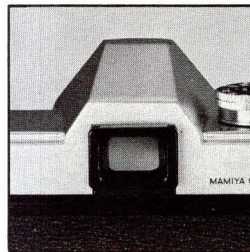
- [a] Area measured by spot meter
- [b] Spot/Average mode indicators
- [c] Spot/Average mode pointer in spot position
- [d] Indicator for correct exposure
- [e] Micro-diaphragm rangefinder



[1]



[2]



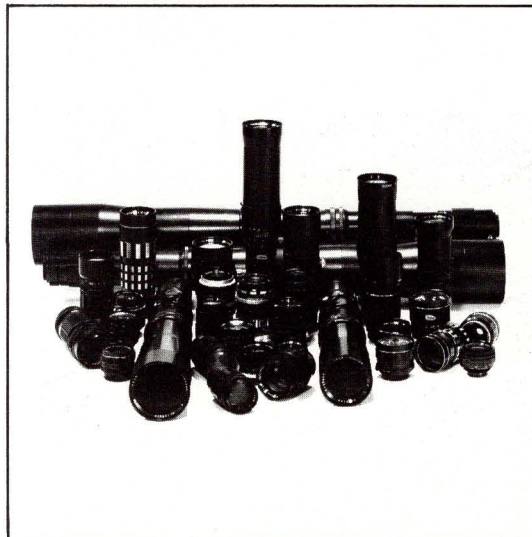
[3]



[4]



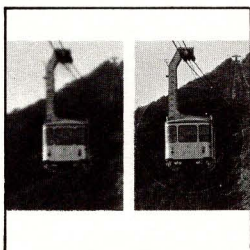
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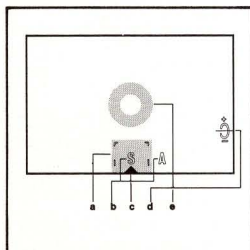
[6]

[9] The **lens mount** with universal thread incorporated in the Mamiya/Sekor DTL Series is precisely machined to insure proper seating and alignment of all compatible lenses and optical attachments. This simple but proven design reduces the risk of costly damage often encountered during the changing of lenses on cameras using other lens mounts.

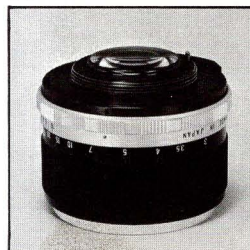
[10] Full **flash synchronization** is provided by Mamiya/Sekor's separate "FP" and "X" terminals. A complete range of shutter speed and terminal combinations enable the photographer to choose from an extended variety of flash bulbs and electronic flash equipment.



[7]



[8]



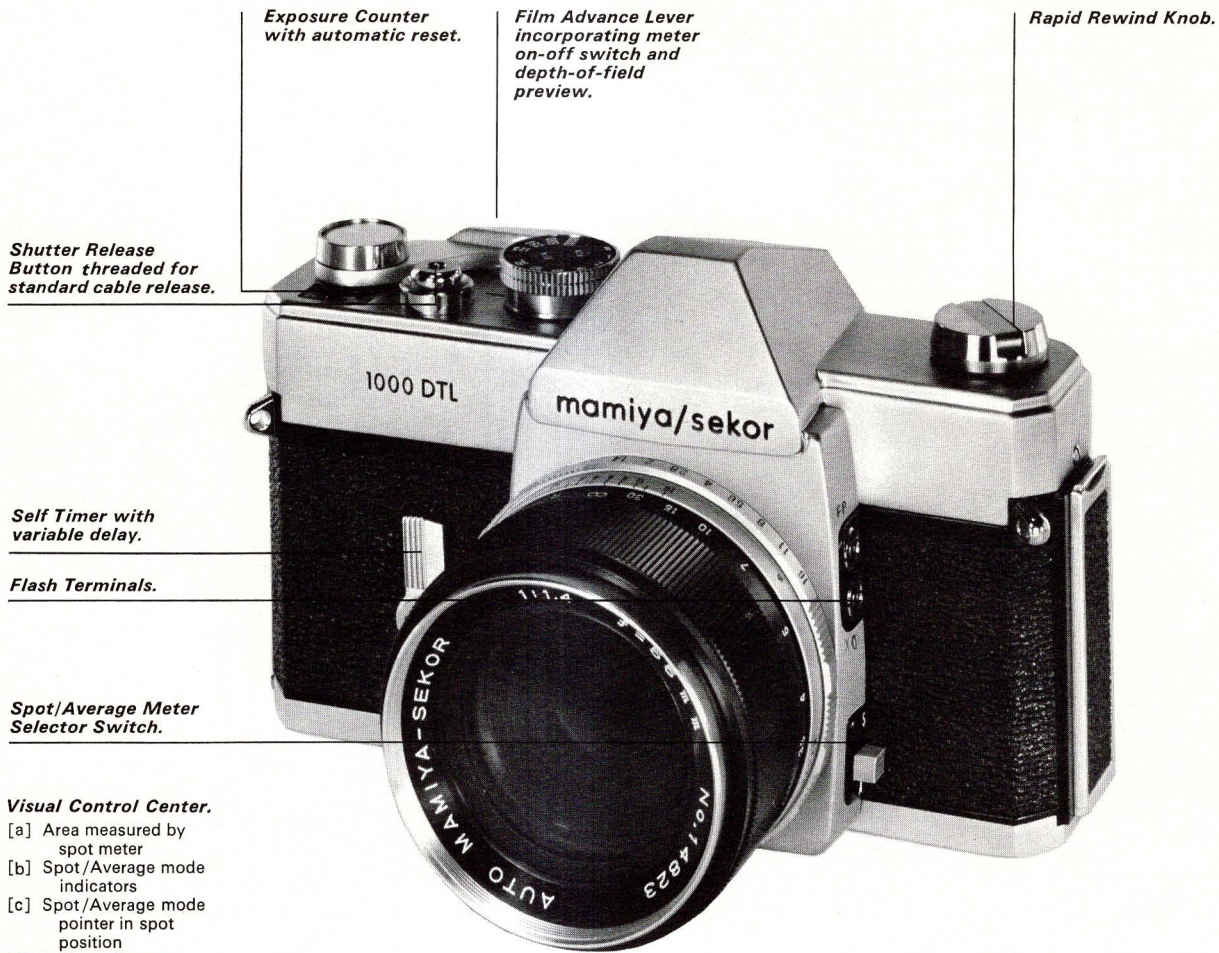
[9]



[10]

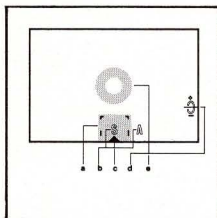
Ponder&Best

Mamiya/Sekor 1000 DTL with Two Separate Meter Systems

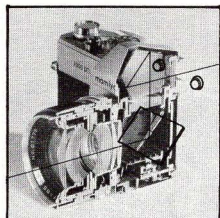


Visual Control Center.

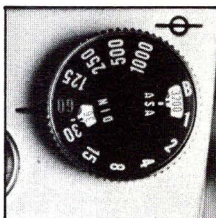
- [a] Area measured by spot meter
- [b] Spot/Average mode indicators
- [c] Spot/Average mode pointer in spot position
- [d] Indicator for correct exposure
- [e] Micro-diaphragm rangefinder



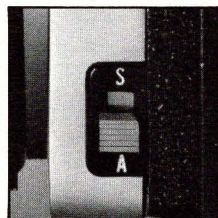
Location of CdS Meter Cells.



ASA/DIN Scale and Shutter Speed Dial.



Spot/Average Meter Selector Switch.



Oversized Reflex Mirror.



Specifications

Standard Lenses

- 55mm f1.4, 7 elements in 5 groups, 43° angle
- 55mm f1.8, 6 elements in 4 groups, 43° angle
- Min. focus distance 15 in. or .38 meters

Lens Mount Mamiya/Sekor-Universal thread mount

Lens Accessory Sizes 55mm f1.4: 55mm screw in; 55mm f1.8: 52mm screw in

Shutter Focal Plane; Speeds: 1 to 1/1000 sec., and B

Exposure Control Two separate CdS metering systems, one for Spot, and one for Averaging. Film Speed Range—25 to 3200 ASA; 15 to 36 DIN

Battery 1.5 volt Silver Oxide; Eveready S-76 or equivalent

Reflex Mirror Oversized instant return

Flash Synchronization Focal Plane flash bulbs at all speeds; Electronic flash at 1/60 sec.

Film Advance Ratchet type, single stroke

Exposure Counter Progressive, with automatic reset

Dimensions 5.8 in. wide x 3.7 in. high x 2 in. thick

Weight Body only 1 lb., 10 ounces

Mamiya/Sekor 1000 DTL

- With automatic 55mm f1.4 lens
- With automatic 55mm f1.8 lens
- Body only (without lens).

Soft Leather Eveready Case

Soft Leather Eveready Case

(replacement)

Body Cap

Flash Gun Accessory Shoe

Replacement Silver-Oxide

Battery (Eveready S-76)

Right Angle Viewfinder

Replacement Lens Cap

for f1.4 lens

Replacement Lens Cap

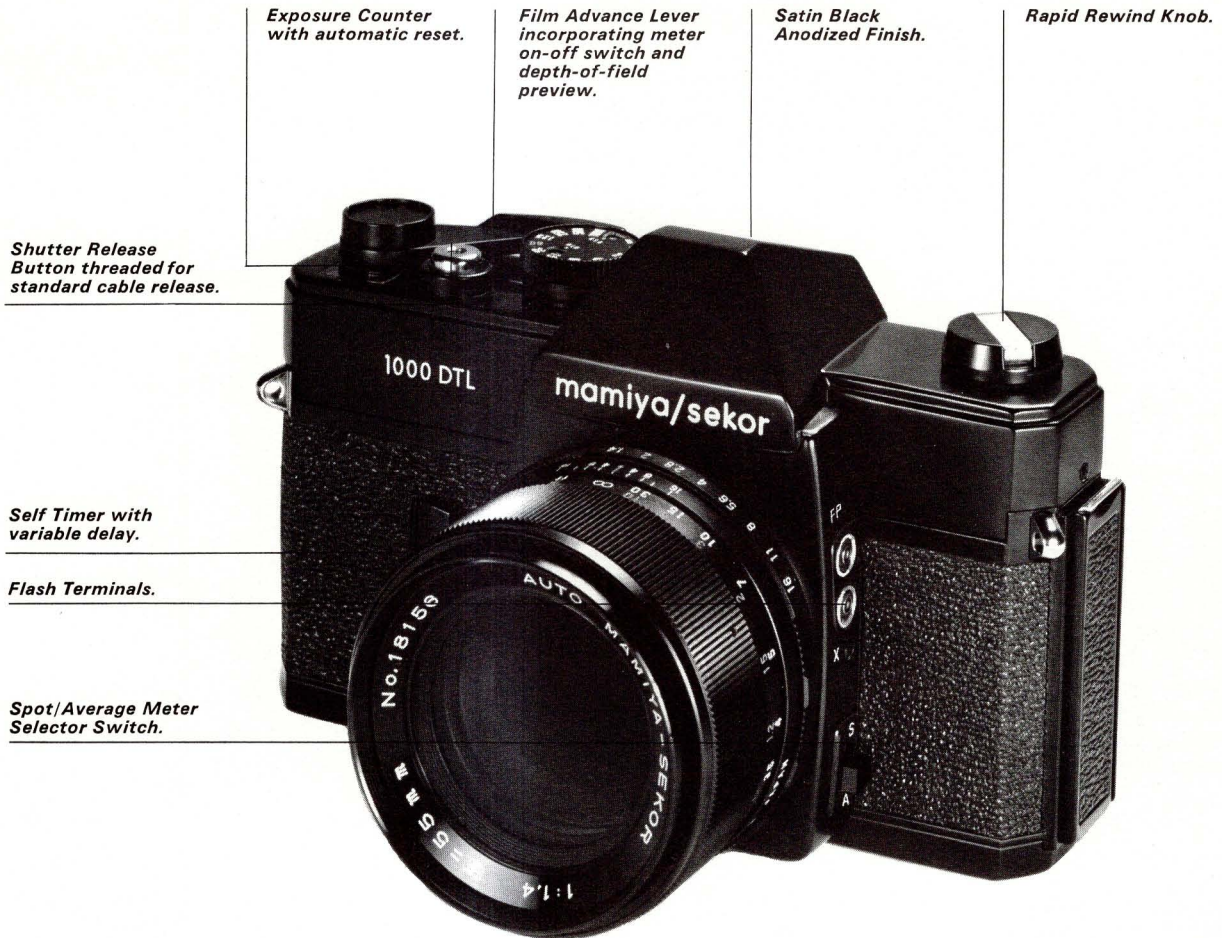
for f1.8 lens

Stock No.

12-1327*	259.50
12-1305*	219.50
12-1383	179.50
*	15.50
12-2106	15.50
12-7019	1.75
12-7042	3.00
79-2024	.55
12-7053	22.50
12-7064	1.75
12-7075	1.75

*Stock number for camera and case combination—
Camera sold complete with case only

Mamiya/Sekor Pro 1000 DTL with Two Separate Meter Systems



*Same features as 1000DTL plus dual finish process—
anodized black undercoat with matte black final finish.*

Specifications

Standard Lenses

55mm f1.4, 7 elements in 5 groups, 43° angle
Min. focus distance 15 in. or .38 meters

Lens Mount Mamiya/Sekor-Universal thread mount

Lens Accessory Size 55mm f1.4: 55mm screw in;

Shutter Focal Plane; Speeds: 1 to 1/1000 sec., and B

Exposure Control Two separate CdS metering systems,
one for Spot, and one for Averaging. Film Speed Range—
25 to 3200 ASA; 15 to 36 DIN

Battery 1.5 volt Silver Oxide; Eveready S-76 or equivalent

Reflex Mirror Oversized instant return

Flash Synchronization Focal Plane flash bulbs at all
speeds; Electronic flash at 1/60 sec.

Film Advance Ratchet type, single stroke

Exposure Counter Progressive, with automatic reset

Dimensions 5.8 in. wide x 3.7 in. high x 2 in. thick

Weight Body only 1 lb., 10 ounces

Mamiya/Sekor Pro 1000 DTL

With automatic 55mm f1.4 lens

Soft Leather Eveready Case

Soft Leather Eveready Case
(replacement)

Body Cap

Flash Gun Accessory Shoe

Replacement Silver-Oxide
Battery (Eveready S-76)

Right Angle Viewfinder

Replacement Lens Cap

Stock No.

12-1349* **269.50**

* **15.50**

12-2106* **15.50**

12-7019 **1.75**

12-7042 **3.00**

79-2024 **.55**

12-7053 **22.50**

12-7064 **1.75**

*Stock number for camera and case combination—
Camera sold complete with case only

Mamiya/Sekor Macro 1000 DTL with Two Separate Meter Systems

Camera body identical
in features to
Mamiya/Sekor
1000DTL.

1000DTL Camera with
60mm f2.8 Preset Macro
Lens. Designed for
normal, close-up and
macro photography.
Enables focusing
from infinity to within
2-3/8" of subject.

60mm f2.8 Preset
Macro Lens



1:1 Closeup
Head of Field
Butterfly taken with
Mamiya/Sekor
1000 DTL and Macro
lens using "spot"
metering system.



Same features as 1000DTL

Lens Specifications

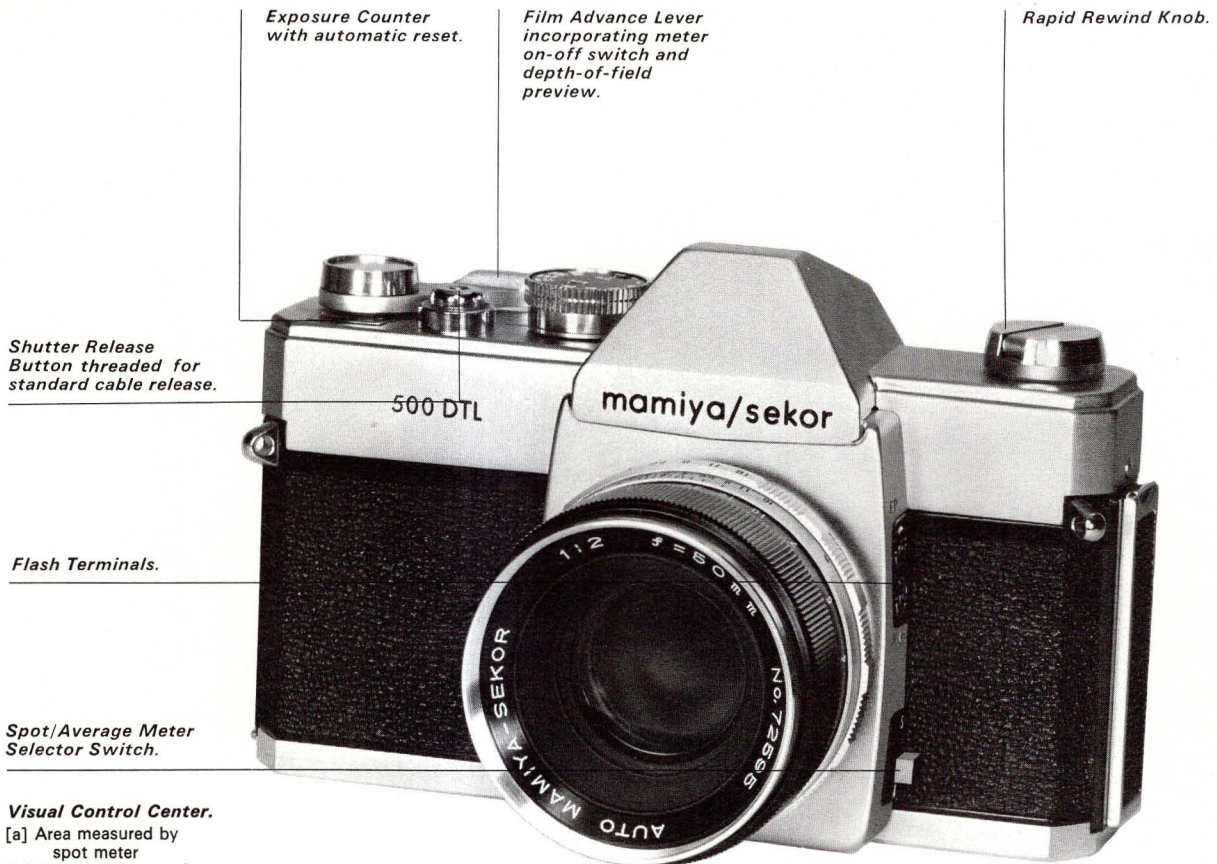
- Focal length and maximum aperture** 60mm f2.8.
- Aperture Range** f2.8 to f22 with "Click" full stop and half stop designations.
- Optical Construction** 5 elements in 4 groups.
- Angle of view** 40 degrees.
- Focusing Range** 2-3/8 inches to infinity.
- Lens Mount** Mamiya/Sekor-Universal threaded mount.
- Lens Accessory Size** 58mm screw-in.
- Dimensions** 2 3/4 in. unextended; 5 in. extended; 2 1/2 in. diameter.
- Weight** 13 3/4 oz.

Stock No.

Mamiya/Sekor 1000DTL		
With 60mm f2.8 Preset Macro Lens	12-1361*	269.50
Soft Leather Eveready Case	*	17.50
Soft Leather Eveready Case (replacement)	12-2117	17.50
Body Cap	12-7019	1.75
Flash Gun Accessory Shoe	12-7042	3.00
Replacement Silver-Oxide Battery (Eveready S-76)	79-2024	.55
Right Angle Viewfinder (recommended for extreme closeup and macro photography)	12-7053	22.50
Mamiya/Sekor Preset Macro 60mm f2.8 Lens only	12-8016	109.50

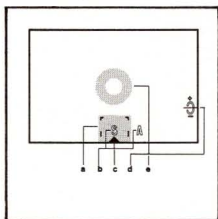
*Stock number for camera and case combination—
Camera sold complete with case only

Mamiya/Sekor 500 DTL with Two Separate Meter Systems

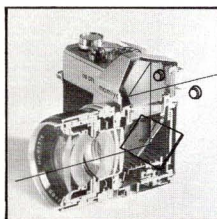


Visual Control Center.

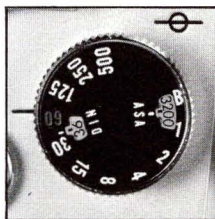
- [a] Area measured by spot meter
- [b] Spot/Average mode indicators
- [c] Spot/Average mode pointer in spot position
- [d] Indicator for correct exposure
- [e] Micro-diaphragm rangefinder



Location of CdS Meter Cells.



ASA/DIN Scale and Shutter Speed Dial.



Spot/Average Meter Selector Switch.



Oversized Reflex Mirror.



Specifications

Standard Lenses

50mm f2.0, 6 elements in 4 groups, 47° angle
Min. focus distance 18 in. or .46 meters

Lens Mount Mamiya/Sekor-Universal thread mount

Lens Accessory Size 52mm screw in.

Shutter Focal Plane; Speeds: 1 to 1/500 sec., and B

Exposure Control Two separate CdS metering systems, one for Spot, and one for Averaging. Film Speed Range—25 to 3200 ASA; 15 to 36 DIN

Battery 1.5 volt Silver Oxide; Eveready S-76 or equivalent

Reflex Mirror Oversized instant return

Flash Synchronization Focal Plane flash bulbs at all speeds; Electronic flash at 1/60 sec.

Film Advance Ratchet type, single stroke

Exposure Counter Progressive, with automatic reset

Dimensions 5.8 in. wide x 3.7 in. high x 2 in. thick

Weight Body only 1 lb., 9.5 ounces

Mamiya/Sekor 500 DTL

With automatic 50mm f2.0 lens

Body Only (without lens).

Soft Leather Eveready Case

Soft Leather Eveready Case

(replacement)

Body Cap

Flash Gun Accessory Shoe

Replacement Silver-Oxide

Battery (Eveready S-76)

Right Angle Viewfinder

Replacement Lens Cap

*Stock number for camera and case combination—
Camera sold complete with case only

Stock No.

12-1257*	179.50
12-1235	139.50
*	15.50
12-2106	15.50
12-7019	1.75
12-7042	3.00
79-2024	.55
12-7053	22.50
12-7075	1.75

Mamiya/Sekor 500 TL with 10% Spot Meter

Exposure Counter
with automatic reset.

Film Advance Lever
incorporating meter
on-off switch and
depth-of-field
preview.

Rapid Rewind Knob.

Shutter Release
Button threaded for
standard cable release.

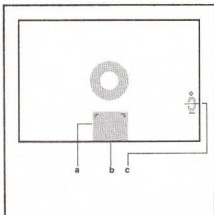
ASA/DIN Scale and
Shutter Speed Dial.

Flash Terminals.

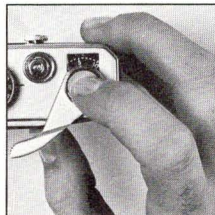


Line Drawing of TL "Spot" System

- [a] Area measured by spot meter
- [b] Indicator for correct exposure
- [c] Micro-diaphragm rangefinder



Meter "Off" Locking
Button



Location of CDS
"Spot" Meter Cell



Specifications

Standard Lens

50mm f2.0 6 elements in 4 groups, 47° angle
Min. focus distance 18 in. or .46 meters
Lens Mount Mamiya/Sekor-Universal thread mount.
Lens Accessory Size 52mm screw in.
Shutter Focal Plane, speeds from 1 to 1/500 sec., and B.
Exposure Control Behind-the-lens Spot meter internally coupled to both shutter speed and lens aperture. ASA film speed range: 25 to 800. Meter reads 10% of total picture area.
Battery 1.5 volt silver oxide.
Flash Synchronization Focal Plane flash bulbs at all speeds; Electronic flash at 1/60 sec.
Film Advance Ratchet type, single stroke.
Exposure Counter Progressive, with automatic reset.
Dimensions 5.8 in. wide x 3.7 in. high x 2 in. thick
Weight Body only 1 lb., 9.5 ounces

Mamiya/Sekor 500 TL

With automatic 50mm f2.0 lens

Soft Leather Eveready Case

Soft Leather Eveready Case

(replacement)

Body Cap

Flash Gun Accessory Shoe

Replacement Silver-Oxide

Battery (Eveready S-76)

Right Angle Viewfinder

Replacement Lens Cap

Stock No.

12-1040* 159.50

* 15.50

12-2106 15.50

12-7019 1.75

12-7042 3.00

79-2024 .55

12-7053 22.50

12-7075 1.75

*Stock number for camera and case combination—
Camera sold complete with case only

Mamiya/Sekor 528 TL Fully Automatic with Spot Meter

Fully automatic exposure control with manual override.

Automatic instant return mirror.

"Hot" Flash shoe.

Rapid rewind knob.

Film advance lever.

Penta-prism viewfinder with visible aperture scale and exposure meter needle.

Spot Meter reading 10% of total picture area.

"PC" flash terminal.

Optional Wide Angle and Telephoto Lenses Auxiliary available (see below)



Specifications

Lens 48mm f2.8, 3 elements in 3 groups, 48° angle of view.

Lens Accessory Size 52mm screw-in.

Shutter Between-the-lens with speeds from 1/15 sec. to 1/500 sec., and B.

Exposure Control Behind-the-lens CdS Spot meter, measuring 10% of picture area, internally coupled to aperture, providing fully automatic exposure at any preselected shutter speed.

Battery 1.5 volt Silver Oxide-Eveready S-76 or equivalent.

Viewfinder Penta-prism, with micro-diaphragm rangefinder focusing spot, instant-return mirror, and warning signals to indicate incorrect lighting for automatic exposure.

Flash Synchronization Full synchronization for Electronic flash, as well as for "M" and "F" bulbs. Two flash terminals: one standard "PC" connection and one standard "hot shoe" terminal.

Film Advance Single stroke lever, automatically cocks shutter and advances film counter.

Film Counter Progressive, with automatic reset.

Dimensions 5.5 in. wide x 3.6 in. high x 3 in. thick

Weight Body only 1 lb., 8 ounces

Mamiya/Sekor 528 TL

With 48mm f2.8 lens

Soft Leather Eveready Case

Replacement Silver-Oxide Battery (Eveready S-76)

Stock No.

12-1718* 99.50

* 12.50

79-2024 .55

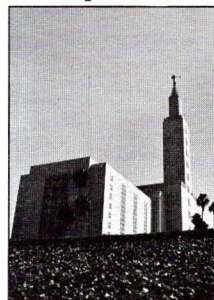
*Stock number for camera and case combination—
Camera sold complete with case only

Telephoto and Wide Angle Lens Set for Mamiya/Sekor 528 TL

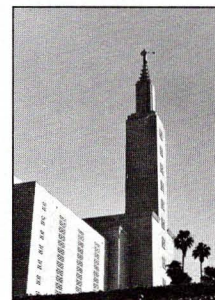


Designed to provide greater picture taking latitude with the 528TL, these lenses are made of the highest quality optical glass and thread directly into the normal lens of the 528TL.

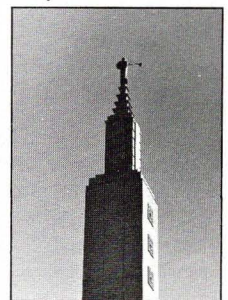
Wide Angle 36mm



Normal 48mm



Telephoto 67mm



Stock No.

Vivitar Telephoto and Wide Angle Lens Set for Mamiya/Sekor 528TL complete with compartment case

12-8027 29.95

Wide Angle Lens
2 elements in 2 groups.
Filter size: 58mm screw-in.
Telephoto Lens
3 elements in 2 groups.
Filter size: 58mm screw-in.

180mm f2.8 Automatic Zeiss Sonnar Telephoto Lens for Mamiya/Sekor DTL and TL Cameras

The highest speed 180mm telephoto lens available, the Auto Zeiss Sonnar is designed and manufactured to the same high standards

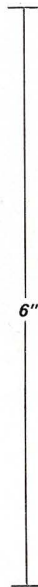
that have earned for Carl Zeiss Jena a reputation of unequalled excellence in the field of optics design.

Compact size



*Depth of Field
Preview lever*

Pre-cocking lever



*Noted for its high resolving power, and excellent color correction,
the Sonnar is the ideal high speed
telephoto for both color and black and white.*

Lens Specifications

Focal Length and Maximum Aperture 180mm f2.8.
Aperture Range f2.8 to f22 with "Click" full stop and half stop designations.
Optical Construction 5 elements in 3 groups.
Angle of View 14 degrees.
Focusing Range 6¼ feet to infinity.
Lens Mount Mamiya/Sekor-Universal threaded mount.
Lens Accessory Size 86mm screw-in.
Diaphragm Preset Semi-Automatic type.
Dimensions Barrel length 6 inches; Diameter 3-11/16 inches.
Weight 39 ounces
Lens Case Hard leather compartment case designed specifically for the 180mm Sonnar lens

Stock No.

**180mm f2.8 Automatic Zeiss
Sonnar Telephoto Lens for
Mamiya/Sekor TL and DTL
Cameras**

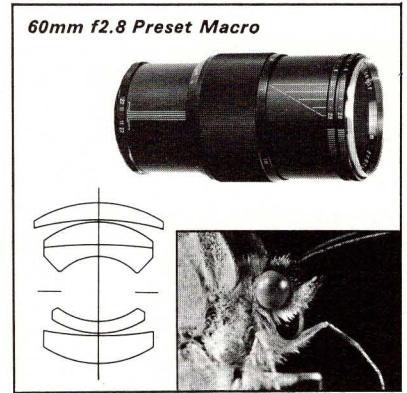
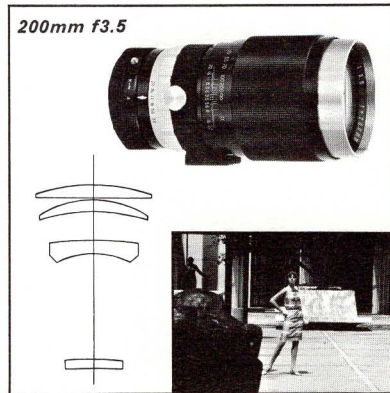
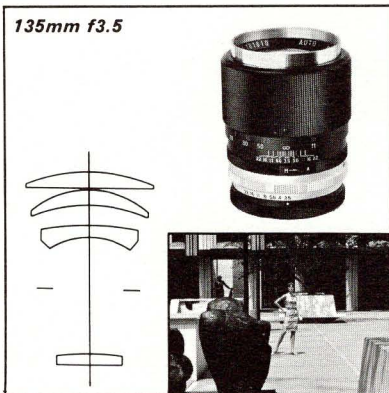
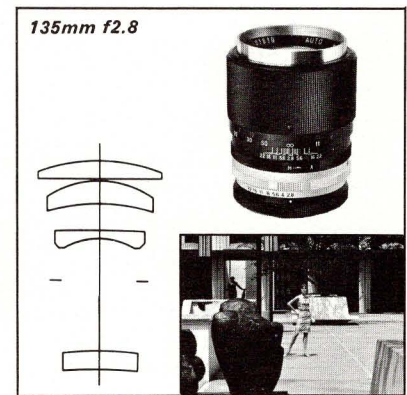
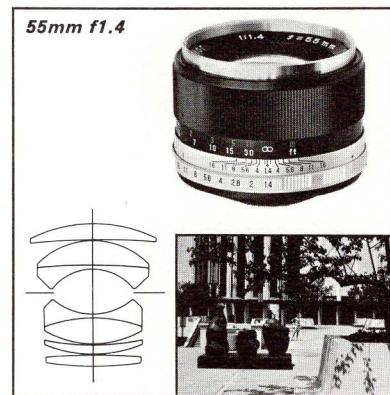
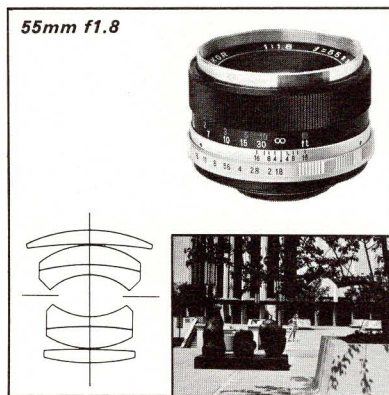
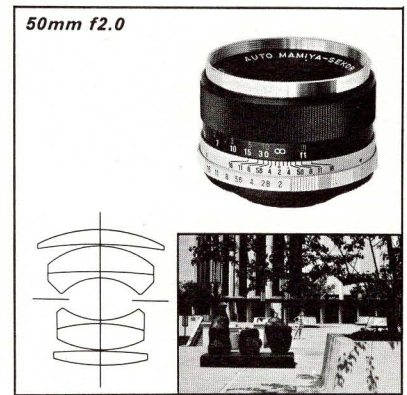
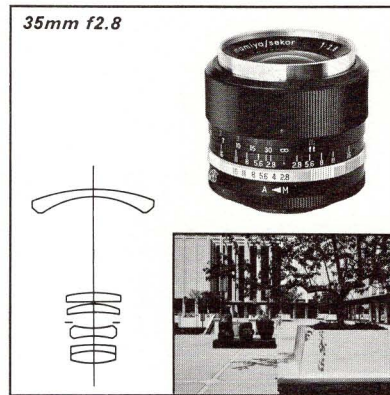
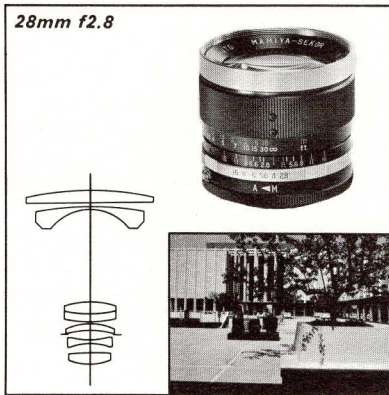
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**Lens sold complete with hard leather compartment case.*

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 Minimum focus: 18 in. Accessory size 58mm.

35mm f2.8 Auto Mamiya/Sekor w/Leather Case Lens Shade (49mm)
 6 elements in 5 groups: 63° angle of view.
 Minimum focus: 24 in. Accessory size: 49mm.

50mm f2.0 Auto Mamiya/Sekor Leather Case Lens Shade (52mm)
 6 elements in 4 groups: 47° angle of view.
 Minimum focus: 18 in. Accessory size: 52mm.

55mm f1.8 Auto Mamiya/Sekor Leather Case Lens Shade (52mm)
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 Minimum focus: 15 in. Accessory size: 55mm.

135mm f2.8 Auto Mamiya/Sekor w/Leather Case & Lens Shade
 4 elements in 4 groups: 18° angle of view.
 Minimum focus: 7 ft. Accessory size: 55mm.

135mm f3.5 Auto Mamiya/Sekor w/Leather Case & Lens Shade
 4 elements in 4 groups: 18° angle of view.
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 4 elements in 4 groups: 12° angle of view.
 Minimum focus: 10 ft. Accessory size: 67mm.

60mm f2.8 Preset Macro Mamiya Sekor Lens Shade (58mm)
 5 elements in 4 groups: 40° angle of view.
 Minimum focus: 2½ in. Accessory size: 58mm.

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