

OM-10 QUARTZ BODY



Characteristics

The OM-10 QUARTZ is the world's first 35mm SLR with integral quartz date recording, featuring remarkably functional design and superbly sophisticated electronic circuitry.

- The OM-10 QUARTZ features an extraordinarily light and compact body with failsafe electronic function.
- Superior electronic brain for: TTL Direct (off-the-film) Light Measuring and comprehensive indicators in the viewfinder, same as in the OM-10.
- Fully programmed up to the year 2009, the integral quartz recorder keeps time accurate

to ± 15 seconds per month, with automatic correction for months and leap years, automatically imprinting the date (year-month-day) or time (day-hour-minute) directly onto the photograph.

- The OM-10 QUARTZ electronic brain automatically sets the correct shutter speed of 1/60 sec. when the T-series electronic flash unit is fitted to the camera and switched on.
- The OM-10 QUARTZ shares the super fast OM System Winder 2 with the OM-1 and OM-2, to advance the film at 0.3 sec. per frame.

Notes • Related Units

- Two 1.5V alkaline-manganese batteries LR 44 (A76), or silver oxide batteries SR44 (Eveready EPX-76 or equivalent) are required as a power source for Body and two 1.5V alkaline-manganese batteries or silver oxide batteries for the QUARTZ data back.
- When storing the camera for a long time, remove the batteries.
- Never store the camera where the temperature exceeds 50°C (122°F).
- When the camera is used at a temperature below -20°C (-4°F), it may sometimes fail to operate. To avoid such failure, warm the camera before use.
- The wide range of available units includes Interchangeable lenses, Winder 2, Electronic Flash units, etc.

OLYMPUS

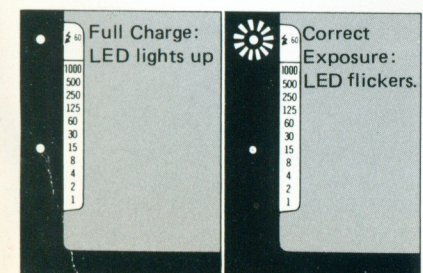
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- **Manual Adapter Socket/Manual Adapter Guide Knob**
Accommodate the OM-10 QUARTZ Manual Adapter.



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

- **Selector Dial/Indicator**
Large and notched for quicker action, this dial has click stops at each of the four positions: SELF-TIMER/OFF/ON/CHECK. With the indicator at SELF-TIMER, there is an automatic 12-sec. pause between releasing the shutter and taking the picture, with audio-visual reminder. In the SELF-TIMER position, the dial indicator projects behind the camera back, a precaution to prevent accidental setting. At CHECK, an audio-visual indication shows the batteries are properly charged. With the Selector at OFF, all power circuits are switched off, but even then a safety device insures correct auto exposure in normal photographic conditions. At ON, the LED lights to indicate a shutter speed with available light in the viewfinder. This indication switches off automatically 90 sec. later in order to conserve the batteries.



- **Audio-Visual Indicator Module (with Self-Timer/Battery Check Light and Beeper)**
For the first time in the world, a Piezoelectric Ceramic Vibrator (PCV) is adopted to emit an electronic tone for self-timer operation and battery check. The audio-visual indicator module serves as a dual-function indicator unmistakable in either dark or bright surroundings. During battery check the light (LED) and tone (PCV) indication is continuous, and during operation of the electronic 12-second self-timer it works as an intermittent count-down device and reminder.

- **Shutter Release Button/Activator Switch**
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. With a light touch on the activator switch energy will begin flowing again, and the light which had gone out after 90 sec. will turn on again. This means that it is always possible to verify the shutter speed.

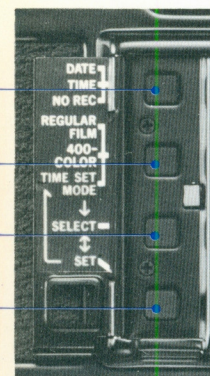
- **Rewind Release Lever**
On the front of the camera, ideal for film changing when the Winder 2 or a tripod is attached to the camera base. To rewind the film, turn the lever 90° counter-clockwise. Automatically resets when the film advance lever is operated.

- **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.

- **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.

- **Film Type/Mode Setting Button**
Pressing this button allows selection of film type and setting mode in sequence.

- **Data Imprint/Non-imprint Selector Button**
Pressing this button selects the date, time and non-imprinting mode in turn.



Control panel

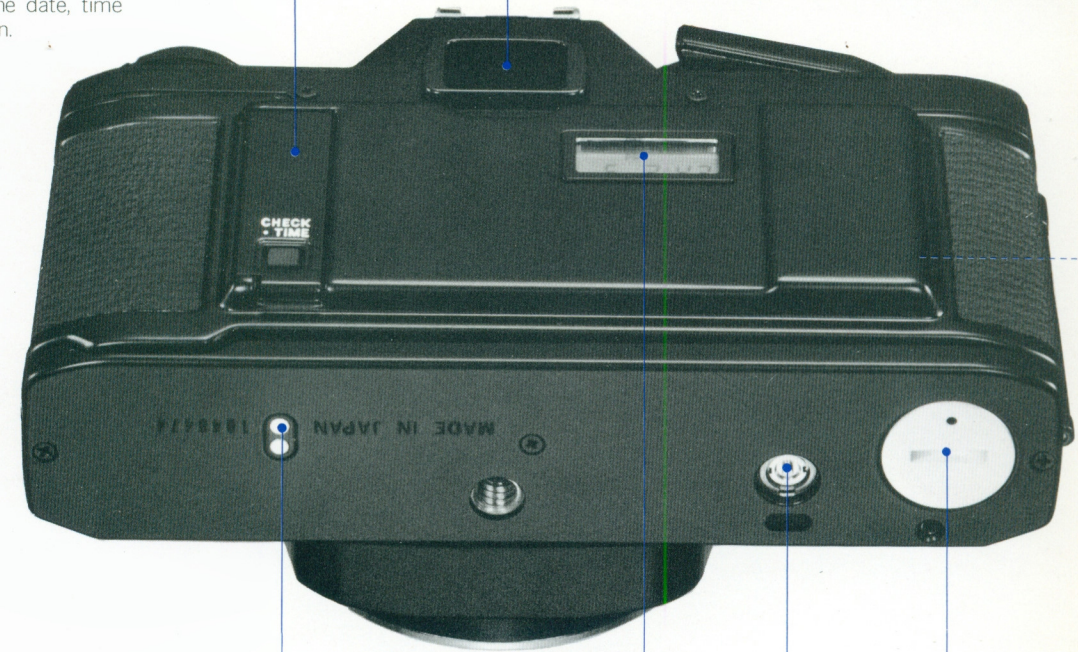
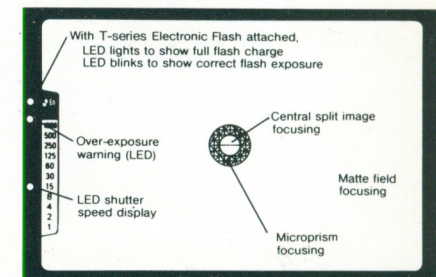
- **Exposure Counter**
Automatic reset, progressive type with dial calibrated: S, 1, 2, 4, ..., and all even numbers up to 36, E (End). By opening the camera back, the counter automatically returns to "S".

- **Film Advance Lever**
Single or multiple stroke film advance with a 130° winding angle. 30° pre-advance angle means thumb can be left in place for faster picture taking.

- **Exposure Compensation/ASA Film Speed Dial**
Allows easy exposure compensation up to ± 2 stops in $1/3$ F stop increments within a range from 25 to 1600 ASA. ASA speed values in this range can be set on the dial by lifting and twisting the outer ring.

- **Control Panel Cover**
The OM-10 QUARTZ is an AE 35mm SLR that incorporates a quartz digital recorder-watch to automatically imprint the time on the photograph in the lower right portion simultaneously with the shutter release. This imprinting mode can be changed in 3 ways by simple push-button operation for ① year-month-day, ② day-hour-minute or ③ no recording. Once the time is correctly set recording of the correct date or time is fully automatic. The liquid crystal display functions as a convenient timepiece by pressing the TIME-CHECK button. Data imprinting can be synchronized with the Winder 2 and electronic flash exposure.

- **Viewfinder Eyepiece**
Lens is recessed for protection from dirt, and frame is grooved on both sides for attachment of Varimagini Finder, Eyecup 1, Dioptic Correction Lenses, etc. The TTL Direct (off-the-film) Light Measuring Method excludes all possibility of stray light leaking through the eyepiece, eliminating the need for eyepiece shutter.



Actual size

- **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".

- **Winder Coupling Terminal**
As the Winder 2 is attached, the electrical circuit is automatically completed.

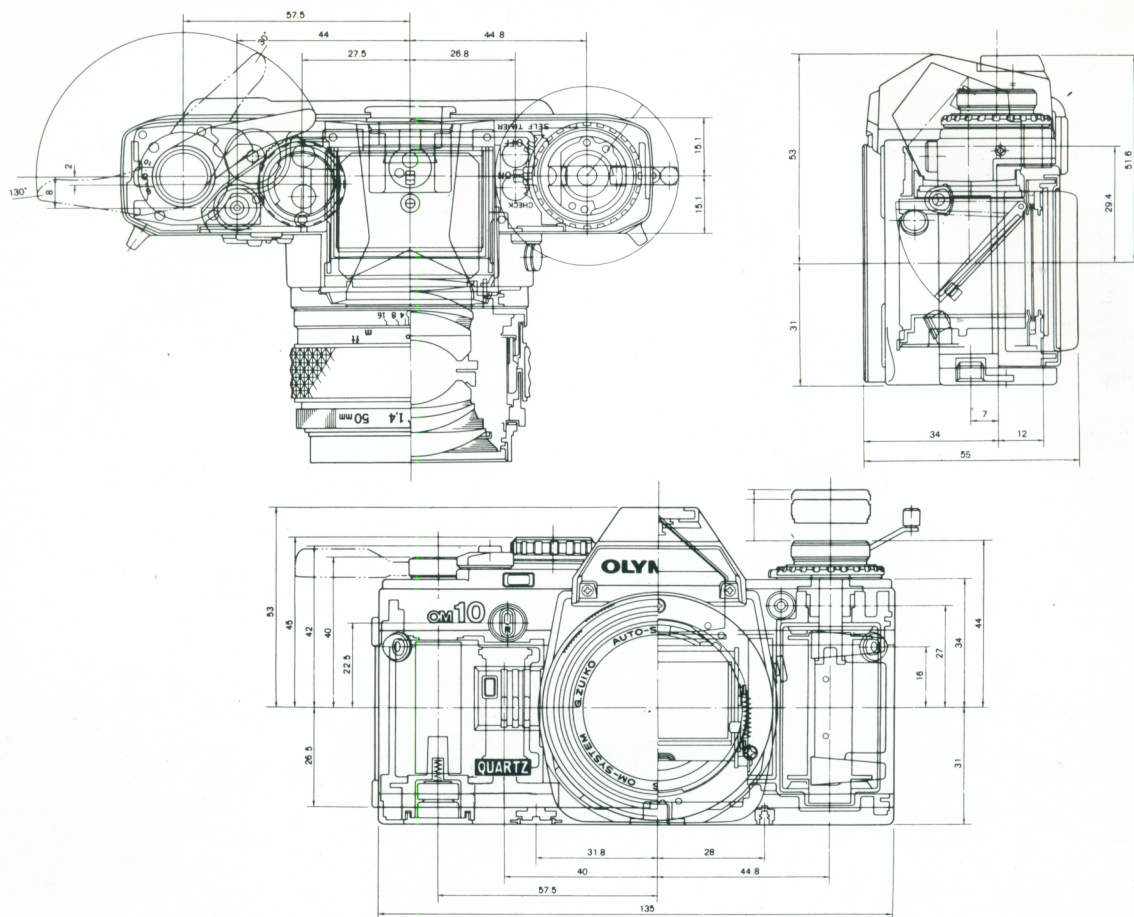
- **Winder Coupling Socket**
Connects the Winder 2 to the camera mechanically via the tripod socket, for outstanding maneuverability enhanced by the automatic exposure control built into the camera.

- **Battery Chamber of QUARTZ Data Back**

Place two 1.5V silver oxide batteries or alkaline-manganese batteries inside the camera back chamber, with the (+) marks outside as indicated inside the chamber. Upon correct insertion of the batteries, the display window indicates 70-1-1.

- **Battery Chamber**
Two 1.5V alkaline-manganese batteries LR 44(A76), or two 1.5V silver oxide batteries SR44(Eveready EPX-76 or equivalent) 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.

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● Main Specifications

Unit type: 35mm Single Lens Reflex camera with automatic exposure control, electronic focal plane shutter, LCD quartz digital watch, and date/time imprinting.

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.

Imprinting direction: Data imprinted from behind the film through the window in the pressure plate.

Data codings: (1) Date (year-month-day) (2) Time (day-hour-minute). (3) No recording.

External indication of data: Data display on liquid crystal panel for approx. 5 years.

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).

Film format: 24mm $\times$ 36mm.

Lens mount: OLYMPUS OM Mount, bayonet type.

Shutter: Focal plane shutter, automatic exposure control from 2 seconds to 1/1,000 second (ASA 100, F1.2 at normal temperature and humidity).

Synchro: X contact. Direct contact only.

Automatic exposure control: Aperture-priority electronically controlled shutter, TTL Direct (OTF) Light Measuring system. Measuring range. EV - 0.5 to 18 from 2 sec. to 1/1,000 sec. at normal temperatures and humidity with ASA 100 film and F1.2 55mm lens. Exposure compensation ± 2 EV.

Automatic flash exposure: Normal auto flash is automatically set to X synch. (1/60 sec.) in conjunction with the electronic flash T32(T20).

Manual exposure control: Exposure can be controlled manually by the use of the Manual Adapter in a range of 11 shutter speeds from 1 to 1/1,000 sec. with the mode selector lever at the "MANUAL ADAPTER" position; and without the adapter, the shutter speed is set at 1/60 sec.

Film speed setting: ASA 25-1600.

Film speeds to use with QUARTZ Data Back: Color ASA 25-400, B & W 80 ASA or above.

Battery check: Battery voltage can be checked by both LED and PCV. Mirror lock to limit drainage.

Power source: Two 1.5V alkaline-manganese batteries LR44 (A76), or two 1.5V silver oxide batteries SR44 (Eveready EPX-76 or equivalents).

Two 1.5V alkaline-manganese batteries or silver oxide batteries for the QUARTZ data back.

Viewfinder: Pentaprism type.

Focusing screen: Microprism/split image-matte type.

Finder view-field: 93% of actual picture field.

Viewfinder magnification: 0.92X with 50mm lens at infinity.

Indicators in viewfinder: 12-step shutter speed scale and flash charge indicated by LEDs.

Reflex mirror: Oversize, quick return mirror.

Film advance: Lever type with 130° angle. It can be wound with one long or several short strokes, 30° pre-advance angle. Power winding is possible with OLYMPUS OM System Winder 2.

Exposure counter: Progressive type with automatic reset when camera back is opened.

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

Self-timer: Electronic self-timer with about 12 second delay, audio-visual indicator.

Accessory shoe: Built-in type, with direct contact.

Dimensions and weights: Body only: 135 $\times$ 84 $\times$ 55mm (5.3" $\times$ 3.3" $\times$ 2.2") 490g (17.3 oz) With F1.8 lens: 135 $\times$ 84 $\times$ 86mm (5.3" $\times$ 3.3" $\times$ 3.4") 660g (23.3 oz) With F1.4 lens: 135 $\times$ 84 $\times$ 94mm (5.3" $\times$ 3.3" $\times$ 3.7") 720g (25.4 oz)

MANUAL ADAPTER

Shutter speeds: Click stop dial setting. 11 steps from 1 to 1/1,000 sec. Exposures set according to LED viewfinder information.

Dimensions and Weight: 30 $\times$ 25 $\times$ 23mm (1.18" $\times$ 0.98" $\times$ 0.91"), 7g (0.25 oz)

OM-10 QUARTZ Body W/Manual Adapter

Stock NO.101-700

OM-10 QUARTZ W/50mm F1.8 and Manual Adapter

Stock NO.101-710

OM-10 QUARTZ W/50mm F1.4 and Manual Adapter

Stock NO.101-711

OM-10 QUARTZ W/55mm F1.2 and Manual Adapter

Stock NO.101-712