

MINOLTA XE-1

1974



Serial Nr.1146062
Codice Minolta 0082

Characteristics and functions

Device type: 35mm reflex. With manual or automatic exposure control.

Objective Attack: All objectives of the MC and MD series are allowed. Optics release button on the left side of the coupling. Red indicator placed above the optics union for correct bayonet coupling.

The complete locking of the bayonet occurs after a clockwise rotation of 54°.

Sensitivity range allowed from 12 to 3200 ISO. The sensitivity can be set using the large ring on the left where the Asa values are shown with subdivisions to 1/3 of the value. The release button is located in the immediate vicinity of the pentaprism, moved forward. The reference on the camera consists of an o'clock placed in the immediate vicinity of the pentaprism in a position further back from the release.

Mechanical type focal plane shutter with vertical sliding metal curtain with shutter speeds from 4" to 1/1000".

The shutter is the result of a Copal-Leitz-Minolta collaboration.

Automatic exposure: by means of a low voltage circuit with two monolithic, aperture priority ICs. The camera sets times between 4" and 1/1000". The time selector located to the right of the pentaprism must be in the [-AUTO] position.

Working range: from VL1 to VL 17 with 100Iso film and f./1.2 lens (eg 1" with f./1,4 up to 1/1000" with f./11).

Manual exposure: The manual exposure function, with the exposure meter active, is obtained by rotating the selector to the selected time, after pressing the release which is located on the worked part of the selector crown, below time 2"(yellow number).

Times that can be set by means of the selector located to the right of the pentaprism from 4" to 1/1000" with full increments and exposure (B). Syncroflash (X) at 1/90" or longer. The mechanically controlled times (X) and (B) can also be used with the camera without batteries.

Measurement: average with prevalence in the center by means of two al (CdS) cells placed above the pentaprism.

Intentional variation of exposure: a correction of up to [+/- 2 EV] is possible and is obtained by acting on the large ring nut with machined edge located to the left of the pentaprism. The reference is a small white dash and the movement of the ring is obtained by pressing the release which is located on the ring itself in the front position, slightly moved to the left.

Instant-return mirror, oversized, is mounted on a system that allows the reduction of vibrations.

frosted, Fresnel lens, with microprismatic central area and image splitting system that provides the vision of 94% of the area actually framed. In the viewfinder, on the right, the shutter speeds from [1000] - at the top - up to [4s] - at the bottom - and the galvanometer needle are visible. The two areas with no indication beyond the series of numbers indicate overexposure (area over 1000), or the need to use a exposure longer than 4 seconds, using the manual exposure function, (low area under 4s). Two rectangular windows are visible at the top of the viewfinder. The one on the right indicates the time set in manual [1000] - [4s] or the automatic exposure function [A]. In the rectangular window located further to the left than the previous one, you can see the working apertures actually set on the objective.

Film advancement by means of the loading lever located on the upper right cover. The advancement of the film takes place with the 130° rotation of the lever (30° of dead stroke) in a single stroke or with small additive strokes. With the complete advancement of the film, the shutter is cocked at the same time.

Synchronization with the flash: it is obtained by means of the socket (X and FP) located to the left of the optics union that allows synchronization on all times equal to or slower than 1/60", usable both with bulb flashes (bulbs single use) and with electronic flashes. The switch located below is used to obtain the desired synchronization. 2) by means of the contact placed in the center of the accessory shoe located above the pentaprism, which can be synchronized with shutter speeds equal to or slower than 1/60", which can be used with bulb or electronic flashes.

Mechanical self-timer, which can be set using the lever on the right, on the front, with a delay of 6" or 10" by lowering the lever to the first or second white notch. Activation is achieved by means of the small button located under the lever itself.

Accessories: accessory holder rail with flash contact located above the upper casing, above the pentaprism; the crank for rewinding the film, located on the left of the upper casing, also has the function of unlocking and opening the back, pulling it up to the end of its travel; automatic exposure counter, with additive count and automatic reset when the back is opened, is on the rear part, under the loading lever in a rectangular window above which there is the window for viewing the red tab that appears with the smooth running of the film; red reference of the film plane placed on the upper casing to the right of the pentaprism; selector for re-exposure which is placed below the loading lever and, to obtain its function, it is moved to the right (leaves a red dot free); button to control the depth of field located on the right under the lens union; "MC" coupling selector (in metal) with the exposure meter placed

around the optics nozzle, it moves around and above it; shoulder strap attachment system consisting of two triangular-shaped rings placed in the chromed supports located at the ends of the front; memo pocket, with Asa / Din conversion table on the back; ["On / Off] switch located on the back on the right side just below the loading lever; battery control system, on the left side. If the red LED turns on when the lever is lowered, the battery is efficient; tripod mount; screw cap for battery compartment (2x 1.5v silver oxide batteries.) in metal placed on the back on the left side; release button for rewinding the film located on the back on the right side; flexible release attachment by means of the thread in the center of the release button; eyepiece frame, in plastic that allows the adaptation of a rubber lens hood shell (EH-7) to be inserted into the special lateral grooves; attachment for corrective lenses, inserting them under pressure inside the eyepiece frame. The viewfinder occluder is operated by rotating the control on the left, in the immediate vicinity of the viewfinder, by approximately 45° counterclockwise

Dimensions and weight: length 148mm.; height 97mm.; width 58mm.

Body weight only, without battery: 778g.

