

MINOLTA 16 MG-S

1971



Serial Nr.101473
Minolta Code 0215

Characteristics and functions

The Minolta 16 MG-S presented in 1971 is the updated version of the previous MG from 1966. The most important differences of the Minolta 16 MG-S compared to the 16 MG are the Selenium cell replaced by the CdS cell and the format of the negative passed from 10x14mm. to 12x17mm. The Minolta 16 MG-S was produced in the Silver and Black finishes. The lens is a Rokkor: 23mm. with 4 elements in 3 groups. with maximum aperture f.2.8. The two-blade guillotine shutter works from 1/30" to 1/500" with automatic locking in case of over or under exposure. The time for X-sync flash is fixed at 1/30". The built-in exposure meter is automatically controlled by the diaphragms by means of a CdS cell coupled to the shutter. The working range goes from EV 8 to EV 17 while the admitted film sensitivities are from 25 Asa (15 Din) to 400 Asa (27 Din). The focus is fixed from infinity up to 3.5m., While using the built-in lens for close-up shots the distance is 1.2m. (4 feet). The CdS exposure meter requires a battery for operation: the battery compartment is located inside the film compartment on the far right and the PX-675 1.35v type battery must be positioned before inserting the film, paying attention to polarity. The camera looks like a parallelepiped with rounded edges completely covered by a satin aluminum fairing. In an advanced position on the left there is the aperture window with the red galvanometer needle and the values 16, 11, 8, 5.6, 4, 2.8 shown on a white field with red extremes (over and under exposure fields). For a correct exposure it is necessary to prepare the internal part of the knurled ring located nearby by rotating it so that "A" coincides with the small speed window; instead, using the external part of the ring, you can set the desired time visible in the window next to it. The speeds must be set in integer values from 500 to 30. The digit "30" is red as it is the shutter speed with flash sync. When using the flash, you must rotate the inner part of the ring until the

red symbol of the flash of light coincides with the speed window. At the far right there is the large knurled wheel, covered in the center with black leatherette, which is used for the advancement of the film and the simultaneous cocking of the shutter (full stroke 135°). The subtractive type frame counter with automatic reset when the back is opened is located on the opposite side of the time window where there is another window in which the figures scroll, letting you see the number of poses still available. In an advanced position, in correspondence with the lens, there is, on the upper cap, the shutter button formed by a large rectangular chrome button that has a stroke of over two millimeters. In the intermediate area, the engraving "Minolta 16 MG-S" appears in black characters. The red symbol of the reference of the film plane is placed on the left side of the wheel for the advancement of the film. The right side of the camera is made up of a chromed cantilevered frame with black faux leather inside. In an advanced position, however, we find the thread for the use of the tripod which also serves to attach the wrist strap in chromed metal links. On the right side we find the flash socket and the thread for joining the dedicated flash. The photograph shows the flash for AG type lamps, but the version for Kubo-flash is also available. On the back we find on the left the black plastic frame of the eyepiece that continues to the right with a strip of black faux leather. In the viewfinder you can see the bright frame with references for parallax in close-up shots. On the top right is the black inscription "Minolta Camera Co., Ltd. Japan". Under the strip of black leather appear the hinges of the door of the film compartment which is located on the right side of the lower side. The door of the film compartment, in satin-finished aluminum, has a ribbed chrome wheel in the center for releasing the door retention hinge; the white reference in the central black part must be rotated from the "Close" position to the "Open" position. The serial number is engraved on the underside on the left. The front side is occupied, from left to right, by the black plastic frame of the viewfinder; then follows a chromed frame with black plastic inner part where we find the CdS cell surrounded by a black plastic ring with a white reference dot to calibrate the cell according to the sensitivity of the film used. On the right is the scale in Asa (25 - 50 - 100 - 200 - 400). Proceeding to the right we meet the lens with its black plastic cover that bears the inscription: "Rokkor 1: 2.8 f = 23mm" and a second cursor that is used to introduce the additional lens for shooting at 1.2m. (4 feet) as shown in white lettering. The introduction of the lens is indicated in the viewfinder by a red band placed vertically on the left side. Finally, on a black background, we find the white writing "Minolta". Weight 210g. excluding battery, wrist strap and flash. Length 107.5mm. Width 46mm. Thickness 25.5mm. Dimensions refer to camera only, excluding flash.

*Kit consisting of camera with strap,
flash for AG-3 type bulbs,
additional lens for shooting at 80cm. (2.6ft.),
additional lens for shooting at 40cm. (1.3ft.),
1A filter, 80B filter, 48Y filter,
camera case.
Minolta Code 0215-047*

