

MINOLTA 9000 AF

1985



Serial Nr.15106183
Minolta Code 2071

Characteristics and functions

Type of device: 35mm SLR, autofocus with multi-mode exposure control.

Film format: 24 x 36mm.

Mount for MINOLTA bayonet type "A" with electrical contacts for integrated lens-camera control with all MINOLTA AF lenses.

Autofocus system: MINOLTA TTL with phase detection. Working range between EV 2 and EV 19 with 100 ISO films.

Shutter: placed on the focal plane, with vertical-transverse electronic control with duralumin curtains.

Processing times: from 1/4000" to 30" without interruption, in mode (P) and in mode (A); from 1/4000" to 30" in integer values, in mode (S) and in mode (M). The "bulb" - pose - setting works only in M mode.

Measurement system: TTL average with prevalence in the center by means of a silicon photocell located at the base of the mirror box. Spot metering for medium tone readings, with prevalence in the shaded areas or at maximum brightness through the

central portion of the same cell (SPC). The area for measurement (SPOT) is outlined by a 5.5mm circle. Placed in the center of the focusing screen which covers approximately 2.7% of the frame. The working range for center weighted average metering is EV 1 to EV 20 with ISO 100 film and 1.4/50mm lens. (for example: from 1" with f/1.4 to 1/4000" with f/16).

Film sensitivity: ISO 6 to 6400 allowed with 1/3 value settings. Automatic sensitivity setting with DX-coded film magazine. Manual sensitivity setting is also possible with DX films.

Ambient light exposure: programmed automatic exposure with automatic selection of the multi-program in the wide-angle, standard or telephoto type program with the possibility of changing the programs. Aperture-priority automatic exposure. Shutter speed priority automatic exposure. Manual exposure with active exposure meter.

Flash exposure: automatic direct flash metering (TTL) using the cell (SPC) located in the mirror box with all settings between 12 and 1000 ISO. Scheduled automatic exposure. Automatic setting of aperture and synchronization (X) to 1/60", 1/125" or 1/250". Automatic aperture priority setting. X synchronization set to 1/250". Automatic exposure with shutter speed priority and manual exposure with the exposure meter active. 1/250" or slower times can be used. Shutter speed automatically returns to 1/250" for manually set speeds faster than 1/250".

AE lock: the AE lock works with settings (P), (A) and (S), it can be used with all types of exposure for SPOT measurements with a prevalence of areas of maximum brightness or deep shadow areas. It can be used for synchronization with slow shutter speeds and flash light with the use of a dedicated flash (for example: 4000AF).

Exposure compensation: from -4 EV to +4 EV with variations in 1/2 value.

Viewfinder: fixed pentaprism with built-in diopter correction adjustable from -3.00 to +1.00 diopters which shows 94% of the area actually framed. Magnification of 0.81x with 50mm lens. focused on infinity.

Indications: on the control panel the (LCD) indicate the shutter speed, aperture, bell sensitivity, exposure compensation, the shutter speed elapsed when the bulb is set to B. In the viewfinder the (LCD) indicate the type of exposure, the type of metering, the shutter speed, the aperture, the film sensitivity, the exposure compensation and the amount of manual exposure deviation from the correct exposure.

Snap button: located on the upper part of the handle; has multiple functions: by simply touching the button, the measurement system and continuous autofocus are activated (the exposure meter remains active for 10 seconds after you lift your finger from the button); pressing the button halfway locks the focus; pressing the button all the way down triggers the shutter.

Film transport: manual advancement of the film by means of the lever located on the right on the upper casing with a rotation movement of about 128° (the dead stroke is 30°) or which can be carried out with many small advances in succession.

With the use of the MD-90 engine: automatic advance to the first useful frame after pressing the shutter button. The forward speeds can be set using the selector disc located on the rear side of the engine, on the right. (H) = 5 frames per second (requires the Ni-Cd NP-90M power supply unit); (M) = 3 frames per second; (L) = 2 frames per second; (S) = single shot and for single frame advance with "FP" focus priority. With the selector in the (OFF) position, it is possible to manually advance the film without having to disconnect the motor.

Film rewinding: manual by means of the special lever located at the extreme left of the upper casing. The rewind release is located on the back of the camera, on the right side. With the use of the MD-90 motor: automatic with manual activation. The motor stops when the film is fully pushed back into the magazine, leaving the tab out.

Mirror: semi-silvered with instant return. There is a secondary mirror for measuring exposure and for autofocus.

Beeps: With the main switch located to the right of the charge lever in the [o]]]] position, the camera will beep when using focus lock, when focusing manually and

during the self-timer operation.

Self-timer: Electronic with 10 second delay and red indicator pulsing on the front of the camera. The self-timer is set when the cursor located to the right of the shutter button is moved to the right and leaves a red field free, and is activated by pressing the shutter button. The self-timer can be canceled by turning off the camera using the [OFF / ON / o]] selector.

Depth of Field: The depth of field control works with all types of exposure. The selector is located just below the shutter button, in the internal recess of the handle and has a folding lever that in the stowed position does not interfere with the position of the fingers; it must be lowered and the lens closes at the actual working aperture (value indicated on the control panel and in the viewfinder), while the letter "F" on the control panel flashes.

Multiple exposure selector: it is placed on the back near the loading lever and must be moved to the left while cocking the shutter with the loading lever.

Accessories: The standard back is removable. The standard back has a window that allows you to see the type of film loaded. SUPER 90 PROGRAM BACK and PROGRAM 90 BACK are available. PROGRAM 2800AF flash and PROGRAM 4000AF flash with BOUNCE REFLECTOR II SET reflected light system are available. CD cable, EX cable, OC cable, remote shoe, TC-1000 triple connector, CG-1000 control handle, CG-1000 handle extension cable, AI- AF illuminator. 1000 and the AC adapter complement the flash accessories. The IR-1N wireless remote control unit is available. The MD-90 motor can be used with the BP-90M feeder unit or with the NP-90M Ni-Cd feeder unit. The rubber lens hood for EH-7 eyepiece, the Vn magnifying viewfinder, the Vn angle viewfinder, and the 5 interchangeable focusing screens complete the accessories dedicated to the MINOLTA 9000 AF. Corrective lenses can be added to the viewfinder for a further increase in dioptric power in the correction. Dimensions 53x92x139mm. Weight 645g.

N.B. The lenses of the "MC" and "MD" series (manualfocus) are not compatible with the new "A" mount, therefore only the new lenses of the "A" series (autofocus) are suitable for the 9000 AF.

