



LEICA MP

Technical Data



Camera	LEICA MP
Order No.	Silver : 10 301 , Black : 10 302
Camera type	Compact 35 mm rangefinder system camera with mechanically controlled shutter.
Lenses	Leica M bayonet mount. Lens system Leica M lenses from 21-135 mm.
Viewfinder	Viewfinder principle Large, bright line frame viewfinder with automatic parallax compensation. Viewfinder optical system with reduced stray light sensitivity and optimum visibility of all bright line frames. Eyepiece Calibrated to -0.5 dpt. Correction lenses from -3 to +3 diopter available. Bright line frames activated in pairs: for 28 and 90 mm, 35 and 135 mm or 50 and 75 mm. Automatically displayed when the lens is mounted. The preview selector can be used to display each of the pairs of frames. Alternative bright line frame configurations are available as part of the Leica a la carte range. * Parallax compensation The horizontal and vertical difference between the viewfinder and the lens is automatically compensated in line with the current distance setting, i.e. the bright line frame in the viewfinder automatically covers the section of the subject that will be captured by the lens. Correlation between viewfinder and film images At the shortest possible distance setting for each focal length, the bright line frame size corresponds to an image size of approx. 23 x 35 mm. When set to infinity, depending on the focal length between 9% (28mm) and 23% (135 mm) more is captured by the film than is shown in the corresponding bright line frame. Magnification 0.72x (for all lenses). Alternative viewfinder magnifications of 0.85x and 0.58x are available as part of the Leica a la carte range. * Wide-base rangefinder Split and superposed-image rangefinder displayed as a bright field in the centre of the viewfinder image. Effective measuring basis 49.9 mm (mechanical measuring basis 69.25 mm x viewfinder magnification 0.72x). For the alternative viewfinder magnifications of 0.85x and 0.58x available as part of the Leica a la carte range, it is 58.9 mm (mechanical measuring basis 69.25 mm x viewfinder magnification 0.85x) and 40.2 mm (mechanical measuring basis 69.25 mm x viewfinder magnification 0.58x) respectively.
Exposure metering	Exposure metering through the lens (TTL), selectively with working aperture. Metering principle The light reflected by a metering spot in the center of the first shutter curtain. The metering spot has a diameter of 12 mm and thus corresponds to approx. 13% of the full film format or approx. 2/3 of the short side of the applicable bright line frame in the viewfinder. Metering range (for ISO 100/21°) From 0.03 to 125000 cd/m ² at room temperature, normal humidity and f/1.0. For ISO 100/21° this corresponds to EV-2 to 20 or f/1 and 4s (B setting) to f/32 and 1/1000s. Flashing of the left-hand triangular LED in the viewfinder indicates that the brightness reflected is below the metering range. Metering cell Silicon photodiode with focusing lens to the top left behind the bayonet.
Exposure control	Manual shutter speed and aperture setting and adjustment using LED light balance.
Film speed range	Manual setting from ISO 6/9 to ISO 6400/39°.
Viewfinder displays (at lower edge)	LED symbol for battery status. LED light balance with two triangular LEDs and a central circular LED to adjust the exposure <ul style="list-style-type: none"> ▶ Underexposure of at least one stop ▶● Underexposure of 1/2 stop ● Correct exposure ●◀ Overexposure of 1/2 stop ◀ Overexposure of at least one stop Triangular LEDs give the required direction to rotate the aperture dial. The LEDs flash to warn that the brightness reading is above or below the metering range.
Flash exposure metering and control	
Flash unit connection	Using accessory hotshoe with center contact and / or standard flash connector socket.
Flash synchronisation speed	1/50s; slower shutter speeds can be used
Synchronisation time	With 1st shutter curtain.
Exposure metering / metering characteristics	Separate computer control of flash unit or guide number calculation and manual setting of required aperture.
Flash exposure compensation	On LEICA SF 20 / SF 24D, +/- 3EV in 1/3 EV increments or from 0 to -3 EV in 1EV increments with computer control.
Shutter and shutter release	
Shutter	Rubberized cloth focal plane shutter with horizontal movement; extremely quiet. Mechanically controlled.
Shutter speeds	From 1s to 1/1000s in whole increments. B for very long exposures of any duration, 1/50s for flash synchronisation.
Shutter release	Two stage: Power up (activate exposure meter) – Release Standard thread for cable release integrated.

Film transport	Loading Manual film loading after opening base plate and rear panel. Advance Manually with quick wind lever or LEICAVIT M or motorized using LEICA MOTOR M, LEICA WINDER-M, LEICA WINDER M4-P or LEICA WINDER M4-2 (from serial no. 10350). Rewind Manually with extending rewind button (rewind crank available as part of Leica a la carte range and attachable rewind crank available as an accessory). Frame counter On top of camera. Automatic reset after removing base plate.
Camera body	Material Enclosed all metal body with hinged rear panel. Brass top and base plate. Silver chrome finish or black lacquered. Tripod thread A 1/4 (1/4") DIN in base plate.
Power supply	(Only necessary for exposure metering and display) 3V from 2 silver oxide button cells, type PX 76 / SR 44 or from 1 lithium cell, type DL 1/3 N. Battery monitoring by illumination of battery warning display with light balance LEDs (1st level), light balance LEDs going out (2nd level) or all LEDs going out.
Dimensions (W x H x D)	Approx. 138 mm x 77 mm x 38 mm
Weight (without batteries)	Approx. 585 g
Items supplied	Carrying strap with non-slip pad (14 312), camera cover with M bayonet (14 195), flash contact shoe connector (14 348) and batteries.

*For the possible combinations, the bright line frames (pairs) displayed in each case and further details of the equipment options in the Leica a la carte range, please refer to our homepage: www.leica-a-la-carte.com