

LEICA M4-P

**THE CLASSICAL RANGEFINDER LEICA FOR ULTRA
HIGH-SPEED LENSES**



**Leitz means precision.
World-wide**

121.110-130

engl.



The LEICA® M4-P – quick and dynamic, robust and dependable



with extreme high-speed lenses for dynamic, available light, photography for news reporting or for the instant shot.

It is no accident that the history of the LEICA and the development of modern photography and photojournalism are closely related to one another. In all areas of the world, the LEICA catches scenes difficult to repeat and documents once in a lifetime events. It is always present when quick quiet and unobtrusive photography are important. This applies to reporting, to sport, to the theatre, to the church, the exhibition, the court of law or the concert hall – whenever unusual photos are being taken, the LEICA camera M4-P remains the LEICA of choice. Its secret of success is based upon the ideal combination of size and weight, quietness and quickness, as well as accuracy and dependability.

The LEICA is the classical example of all 35mm systems cameras. It has revolutionized photography and its name has become a synonym all over the world.

The LEICA M4-P continues the series of famous rangefinder LEICA cameras. Next to the reflex LEICA-R it is a master of clearly defined tasks.

The LEICA M4-P is the camera of choice when using extremely fast lenses within the focal length range of from 21 to 135 mm. If focusing ac-

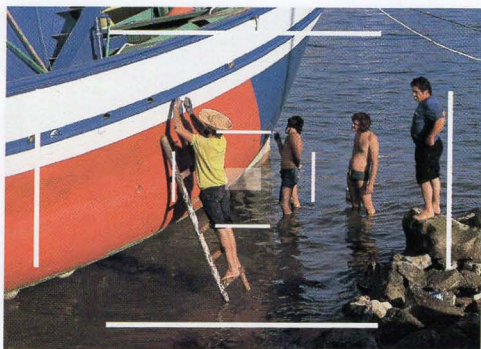
curacy, even under poor lighting conditions, becomes the prerequisite to completely utilize the highest optical performance, the LEICA M4-P has no peer; or when instant camera readiness and hushed, silent photography is the sine qua non.

As a result of the compact combination between camera and lens and the soft, vibration-free release, even long exposures can be made by hand.

When the LEICA M4-P is combined



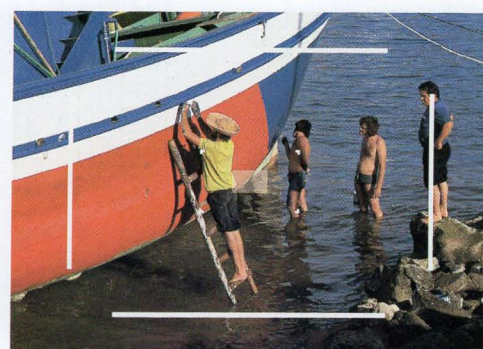
The LEICA M4-P-view-rangefinder: quick, simple, precise



Field-of-view frames for lenses of 28 and 90mm.



Field-of-view frames for lenses of 50 and 75mm.



Field-of-view frames for lenses of 35 and 135mm.

The LEICA M4-P offers an illuminated frame-line finder which is an optical direct-image finder in its ideal form. It works with the lens and is coupled to the rangefinder measuring the distance while at the same time determining the area of the image. The viewfinder image is extremely bright and highly contrasted. Even under poor lighting conditions the photo area is determinable quickly and exactly. A bright frame borders the field of view. The remaining field is extremely important in order to observe the entire action. In sport photography this serves to de-

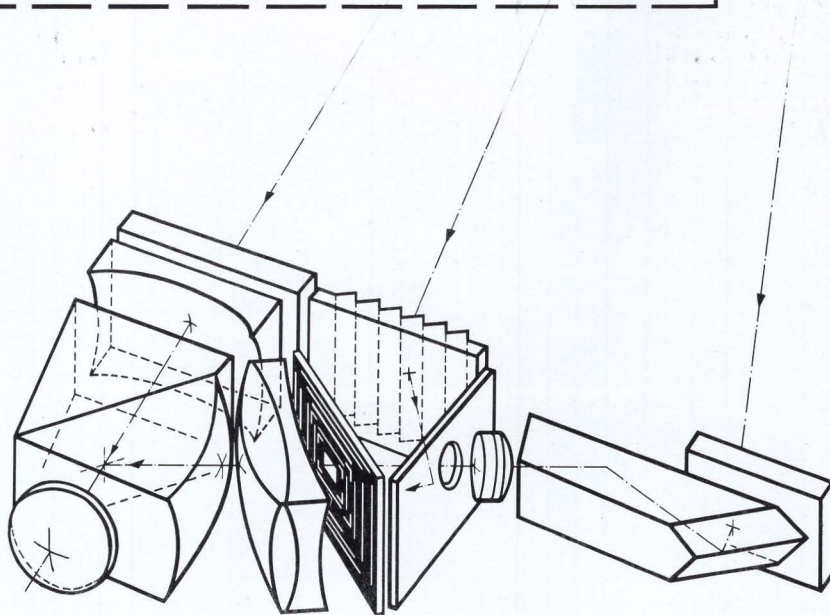
termine the correct moment of exposure. The illuminated frame is coupled to the rangefinder setting in such a manner that any parallax between viewfinder and lens are automatically compensated for. The viewfinder image is easily visible even for those who wear glasses. The clearly defined measuring area shows up bright in the middle of the field and facilitates focusing. Lenses of focal lengths from 21 to 135mm are coupled automatically to the large base rangefinder of the LEICA M4-P as they are inserted into the camera housing. The appropriate illuminated field-of-

view frame for lenses from 28 to 135mm are also displayed. To preselect the correct field of view, the frame-line selector permits the photographer to determine even without lens which focal length is best suited for a particular scene. Just a fingertip pressure will switch in any other field-of-view frame-line. Only after this control procedure has shown the optimum image outline, one inserts the appropriate lens into the camera.

The LEICA M4-P-large base rangefinder – exact focusing whether by day or by night



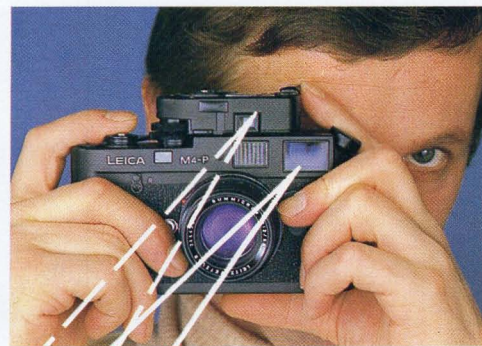
One glance into the rangefinder of the LEICA M4-P leaves no doubt whether exact focus has been set. The rectangular field for rangefinding in the middle of the viewfinder is clearly visible. Even under unfavorable lighting conditions, at dusk or in low artificial light, focusing is quick and certain. Even a slight distance change is shown quickly in the measuring field, regardless whether you focus with a short or a long focal length lens: the rangefinder system of the LEICA M4-P is independent of the focal length of the lens used. The large effective measuring base of 48mm guarantees sufficient accuracy even under minimum sighting conditions.



LEICAMETER[®] MR: aim-specific exposure determination

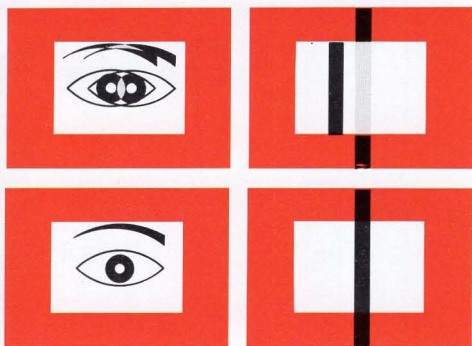
When photographing under poor lighting conditions this is the system which is non-plus-ultra. Unsurpassed, when precise accurate focusing is the prime requirement; this is of unestimable value when one photographs with ultrafast lenses at full opening under the resulting shallow depth-of-field.

Sharpness may be obtained in the classic superimposed-image or the split-image method.



Double contour = unsharp
Contour coincidence = sharp

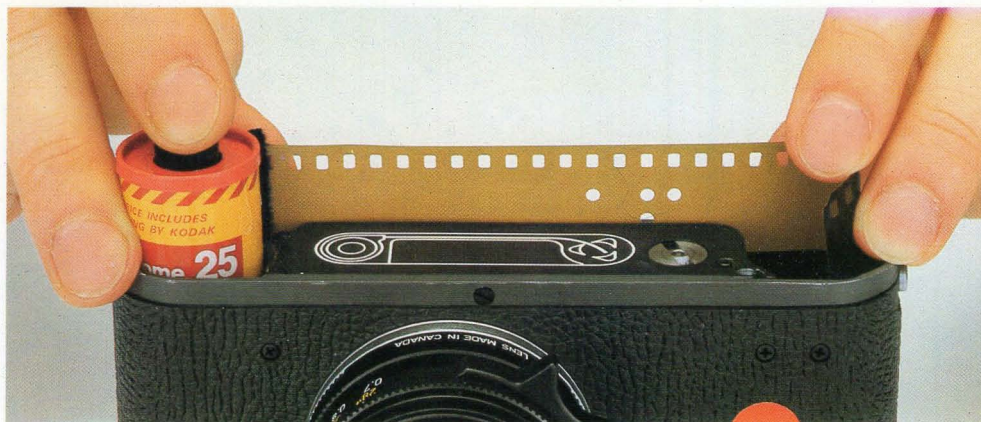
Interrupted Line = unsharp
Continuous straight line = sharp



The attachable light meter, the LEICAMETER MR is coupled to the speed setting dial. The measuring sensitivity varies between 0.5 to 32,000cd/m².

A soft touch on the lever of the image selector will show the 90mm field-of-view frame. This frame is coincident with the measuring field of the LEICAMETER MR. Now all you have to do is move the measuring area to the important part of the scene. depress the measuring lever of the exposure meter and you have the exact exposure time. The time can be fixed and can be read off easily even when the position of the camera is changed for one reason or another.

The LEICA M4-P-precision mechanics for fast, quiet photography



Film loading

The LEICA has always been a very fast camera. This is the reason why it is the camera of the professional in all areas of specialization. It starts with the quick film-loading system. Place the cartridge at left and the leader through the slot in the take-up spool. Replace the baseplate and rewind the release lever. That's all there is to do it. One has to experience

it one's self in order to believe how simple it is.

Lens change

The lens change system is primarily responsible for fast camera readiness and handling comfort. LEICA lenses are changed simply and quickly by hand. Push the tab and twist the lens counter clockwise and it is free and can be removed. Insert the new lens into the bayonet in such a manner that the red dot is situated opposite the arresting knob. After a small rotation to the right the lens clicks audibly and perceptibly into position. One does not need to use a guide pin or an arresting latch aimed at a milled-out slot. LEICA lenses can be exchanged with eyes closed and you can feel the points of orientation.



The exposure release

The exposure release of the LEICA has always been synonymous with perfection. The release button is situated in exactly the right position. The wind lever for shutter advance and film transport has two positions: rest position – the lever is then located parallel to the top of the camera housing. Working position – the lever is approximately 20° off the camera housing. The film transport and shutter winding are fast and easy via a very short stroke. Everything on the LEICA M4-P is designed for simple and fast manipulation.

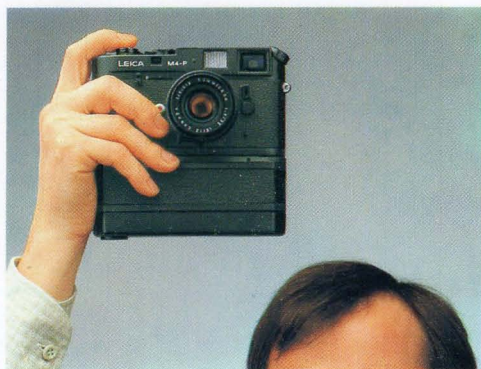
Low noise level camera functions

There are many photographic situations where noise-free camera operations is of extreme importance to the photographer. Loud camera noise can destroy the atmosphere or mood which the camera man wants to capture. It is the particular strength of the LEICA M4-P that its functions are very conservative with respect to noise levels; even when using the winder. Photographing in a television or radio studio with open microphones, only the very quiet rangefinder LEICA is often permitted. Whether you take your M4-P into the theatre, the concert hall, a museum or a court of law, it is always a welcomed guest. The vibration free LEICA shutter makes shooting at long exposure times out of hand practical and eliminates the often cumbersome tripod, the flood lamps or electronic flash.



The LEICA M4-P

Functional form for simple and convenient handling



The three photos at the left show three typical LEICA photo situations:

1. Holding the camera above your head.

You will often see reporters who photograph in this manner when their view is obstructed. The LEICA can be released with one hand and rewound.

2. The unobtrusive snapshot from the hip.

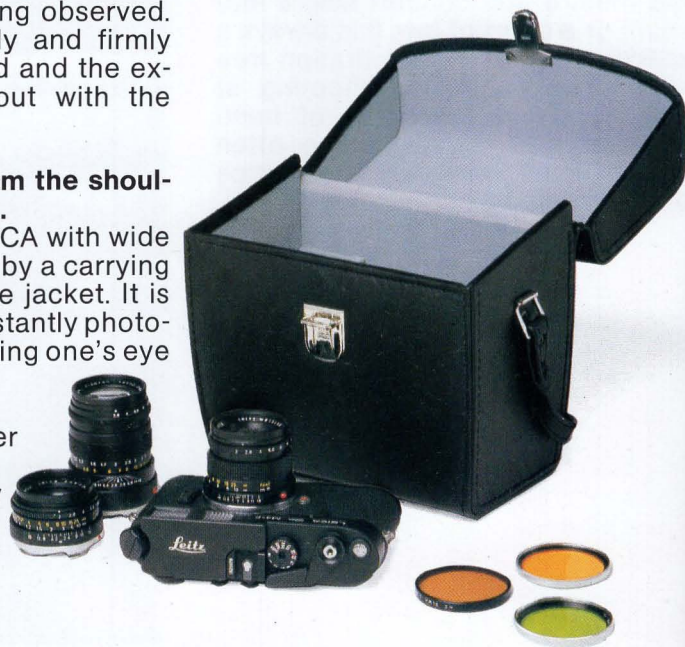
Experienced LEICA photographers using a wide angle lens often achieve exclusive reporter photos taken from the hip especially when it is necessary to take pictures without being observed. The LEICA is quietly and firmly cradled in your hand and the exposure is carried out with the thumb.

3. The candid shot from the shoulder holster position.

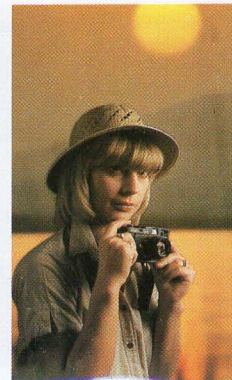
The uniquely flat LEICA with wide angle lens is carried by a carrying strap underneath the jacket. It is always handy and instantly photo-ready without removing one's eye from the subject. One observes the opposite member and releases the shutter nonchalantly and unobtrusively. In this manner hardly anyone notices that a photograph has been taken.

Size and weight

The LEICA M4-P is 77mm high, 138mm long and 36 mm thin. It weighs slightly more than 500 grams. The dimensions are not absolutely essential. It is important to realize that an ideal relationship exists between size and weight, which places the M4-P so conveniently into the photographers hand. When equipped with a 35mm lens the ideal rapid fire candid camera is at hand. The camera can be taken along wherever one intends to go.



Extraordinarily functional and serviceable in use



It is precisely this accuracy and quality control that has made the LEICA into a robust camera of long life which has virtually been on the spot during the prominent events of the last fifty years. The cold of the Antarctic, the heat of the Tropics or the rain forest – the LEICA can be depended upon. In the future it will likewise be in the center of events.

The reliability of the LEICA is legendary. It is no exception that a LEICA camera will function for forty years without trouble. Thousands of photographers all over the world use their decadeold LEICA camera for their daily photo work. Quality control, which at Leitz was always a preeminent occupation, is constantly being improved by applying the most modern technologies available. Take a good look at the LEICA M4-P. The cast housing is made of one piece. It encloses, like armour plate, the valuable optical and mechanical parts of the camera.

The operating elements are functional both with respect to their form and their position. The quick change chromium plated bayonet mount is a masterpiece of precision mechanics. In the same elegant manner in which a lens fits into the bayonet mount, it is equally secure and precise when it is locked into place. No shake, no play, regardless of how often the lenses are exchanged. The tolerances are extraordinarily small. Even a forty year old LEICA lens when mounted with a bayonet ring, will be as precisely positioned in the camera bayonet as if it were a brand new lens.



The LEICA M4-P-system – The basis for optimal adaptation to task and situation



The silent MOTOR-WINDER for lightening fast photo readiness

The LEICA M4-P with winder is the ideal equipment for the photojournalist, the animal-sport-and fashion-photographer. In other words, for those where quickness is the essential element.

The winder replaces the baseplate at the bottom of the camera housing. Now you can expose three pictures per second with the M4-P. The winder is supplied with four batteries or rechargeable nickel cadmium batteries. One set of batteries or one charge is sufficient for approximately 2,000 photographs. Single cell batteries or nickel cadmium batteries are quickly exchanged. When the winder is shut off and the batteries or the nickel cadmium cell is empty, the camera can still be operated manually.



Interchangeable lenses for the LEICA M-system

High quality optics represent the key element of all Leitz products. Camera and lens always form a compact, optical, mechanical system for every LEICA M outfit. The available focal lengths bridge covers lenses from 21mm Super-wide angle to 135mm Tele photo.

LEICA M lenses are unsurpassed today. They combine highest light transmission with minimum volume

and weight. The viewfinder image of the LEICA M4-P remains bright and clear regardless of the lens opening of the lenses used. The focusing accuracy is retained through the measuring base for short focal length with high openings. The focusing accuracy is one of the important prerequisites for quick and accurate pictures. These advantages are recognized particularly under poor lighting conditions and when LEICA M lenses of high speed are employed. For instance, when using the NOCTILUX®-M

1:1/50mm in available light, the LEICA M system shows what it can do. Or when using the ultra-fast SUMMILUX-M 1:1.4/35mm, which is ideal for fast, dynamic reporting within close quarters. Another example would be the use of the SUMMILUX®-M 1:1.4/75mm, which allows the photographer to take portraits even under candlelight. These lenses form together with the LEICA M4-P a photographic combination which in many instances is without alternative.





**Wide angle –
magic angle**

21mm



ELMARIT®-M 1:2.8/21mm

This lens not only offers high light transmission and superior definition but also evenness of illumination across the entire field-of-view. Its main areas of application are: internal and external architectural photography as well as industrial-, fashion-, reportage- and landscape-photography. The image angle of 92° offers dramatic effects: monumental foreground with strongly receding background.

Wide angle lenses permit viewing objects in a very special manner. While standard focal length lenses may reproduce only a portion of the field, the wide angle lens covers the entire area. The depth-of-field, how-

ever, is extremely deep even when only slightly stopped down, and often reaches from the foreground to infinity. When focused on the close-up portion of the image, the receding background achieves particularly

dramatic effects. The general advantage of LEICA M wide angle lenses lies in their unusually light weight and small dimensions.

28mm



ELMARIT-M 1:2.8/28mm

The large image angle combined with high light transmission and freedom from vignetting, as well as high resolution, fully opened, puts this lens into a position of uniqueness. It is particularly well liked for reportage photography at close quarters. It does well in architectural photography and for dynamic fashion shots. It serves the purpose where an extremely wide angle lens is not required and when the 35mm lenses do not offer the advantages of a sufficiently wide angle of view.

35mm



SUMMICRON®-M 1:2/35mm

This wide angle lens represents a particular achievement in building camera lenses. It equals the quality and extraordinary sharpness so well known among the SUMMICRON lenses of 50 and 90mm and serves especially well for brilliant color photos. Even strong light sources do not exhibit flare, which is characteristic of the excellent quality of this lens: when true, even the lens is left wide open.

35mm



SUMMILUX-M 1:1.4/35mm

This extremely fast lens opens completely new photographic possibilities. It is recommended for fast, dynamic shots, for reporting and for available light photography. Significant features are: small volume and weight combined with excellent optical qualities which assure compactness, quickness and operational ease of the LEICA M4-P when equipped with this particular lens.

Versatile standard focal length 50mm

The standard focal length 50mm continues to be a favorite among amateurs and professionals alike. Lenses of standard focal length of 50mm are used for landscapes, for the snapshot, for available light and for technical photography. One reason for the preference of this lens

will be found in the angle of view of approximately 45° which represents approximately the field-of-view that is seen by the eye. At intermediate stops, this lens already achieves a very respectable depth-of-field range.

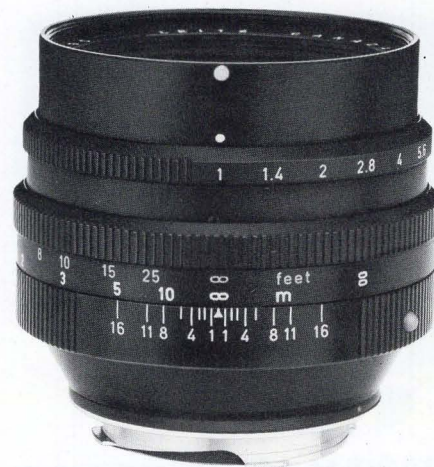
50mm



50mm



50mm



SUMMICRON-M 1:2/50mm

Critical LEICA photographers who want to use a universal lens of high light transmission that offers image quality, close-up, as well as at standard distances, choose the SUMMICRON 1:2/50mm. Its shortest focusing distance is 70cm and the smallest object field is 277 x 146mm. The lens is small, light and handy. Because of its high light transmission and its superior rendition of detail, it has become the most frequently used standard focal length lens.

SUMMILUX-M 1:1.4/50mm

This is also a universal lens but with an extended range of application and with high light transmission. While fully open, sharpness and contrast are excellent. This makes the diaphragm opening 1.4 into a useful lens stop. This objective is free from flare. Even strong light sources will not show in the field-of-view any undesirable double images and it will not lose details in the background. The neutral color rendition is remarkable and so is the exact differentiation of colors.

NOCTILUX-M 1:1/50mm

The NOCTILUX is a special lens for available light photography with highly sensitive films. The lens designer paid particular attention to the requirements in this field of photography. The lens shows high contrast even fully open. The hardly noticeable vignetting effect doesn't appear to be disturbing for available light photography. When the lens is stopped down its rendition is improved. Structural elements and color differences which are hardly recognizable are separated without difficulty. Even when lighting conditions are poor elements of detail are visible without exception. The NOCTILUX lens opens up together with the rangefinder LEICA, the borderline subject area at dusk, a photographic opportunity which remains closed to any other outfit.



Small and medium telephoto range

All what is photographically unnecessary obstructs a good image composition. Consequently the fitting frame has to be photographed. The focal lengths of 75, 90 and 135 mm concentrate the view on the

photographical essential image details. The longer focal length "contracts" space. Full lens speed wipes out fore and background. Hence the important subject in focus dominates the image.

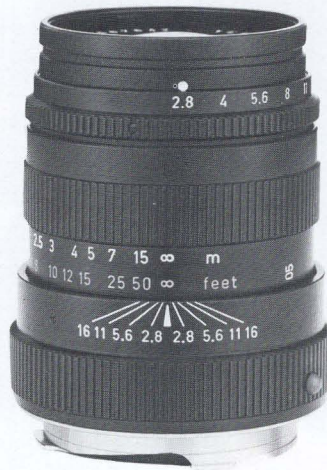
75mm



SUMMILUX-M 1:1.4/75mm

This extremely fast small tele lens has been asked for by many photographers. It is ideal for sport, theatre, portraiture, and reportage. Its high light transmission offers two advantages: first, short exposure times and second, the shallow depth-of-field removes the center of the object away from the background.

90mm



TELE-ELMARIT-M 1:2.8/90mm

This lens combines the many photo possibilities of a middle range focal length with relatively high light transmission. Even wide open it shows a balanced sharpness and high contrast across the entire field-of-view. It is the lightest and most compact tele lens, just a little larger than the standard focal length 50mm lens.

90mm



SUMMICRON-M 1:2/90mm

This is the lens preferred by photojournalists. Ideal for the unobtrusive snapshot. High light transmission and medium focal length open new possibilities without supplementary illumination, while the use of the narrow depth-of-field, when the lens is fully opened, becomes an important element of picture design.



135mm



TELE-ELMAR®-M 1:4/135mm

This lens has its advantages particularly with respect to convenience of operation, simplicity and optical quality. Sharpness, contrast and resolution are extraordinary, even fully open. The lens is only 105mm long and can be operated easily and quickly because of its handy focusing barrel.

135mm



ELMARIT-M 1:2.8/135mm

The ELMARIT-M 1:2.8/135mm is combined with a built-in viewfinder attachment with 1.5x magnification, with a view easily seen by wearers of glasses. The enlarged measuring image improves the measuring accuracy when focusing while at the same time increasing focusing speed. The ELMARIT-M 1:2.8/135mm is the ideal reporter lens of long focal length for photographs even under poor lighting conditions.

Lens	Lens opening and focal length in mm
ELMARIT-M	f/2.8/21
ELMARIT-M	f/2.8/28
SUMMICRON-M	f/2/35
SUMMILUX-M	f/1.4/35
SUMMICRON-M	f/2/50
SUMMILUX-M	f/1.4/50
NOCTILUX-M	f/1/50
SUMMILUX-M	f/1.4/75
TELE-ELMARIT-M	f/2.8/90
SUMMICRON-M	f/2/90
TELE-ELMAR-M	f/4/135
ELMARIT-M with viewfinder front attachment	f/2.8/135

The lenses for the LEICA M system at a glance

Image angle	Number of lens elements	Number of elements	Smallest diaphragm	Focusing range in m	Smallest object field in mm	Filter size	Length of the bayonet flange in mm	Largest Ø in mm	Weight in g
92°	8	6	16	∞ -0.7	705 x 1058	E 49	46	53	290
76°	8	6	22	∞ -0.7	533 x 800	E 49	48	53	250
64°	7	5	16	∞ -0.7	430 x 640	E 39	26	52	190
64°	7	5	16	∞ -1.0	630 x 950	Series 7	28	53	245
45°	6	4	16	∞ -0.7	277 x 416	E 39	42	52	195
45°	7	5	16	∞ -1.0	410 x 620	E 43	46	53	360
45°	7	6	16	∞ -1.0	410 x 620	E 58	62	69	580
31°	7	5	16	∞ -1.0	300 x 450	E 60	80	63	490
27°	4	4	16	∞ -1.0	220 x 330	E 39	62	51.5	225
27°	5	4	16	∞ -1.0	220 x 330	E 49	79	63.7	410
18°	5	3	22	∞ -1.5	220 x 330	E 39	105	59	550
18°	5	4	32	∞ -1.5	220 x 330	E 55	114	66	735

Complete outfits for the LEICA-M-system

Camera	Code No.	Price
LEICA M4-P	10 415	_____
LEICAMETER MR	14 218	_____
Leather case for the LEICAMETER MR	14 213	_____
LEICA MD-2 (without viewfinder or rangefinder)	10 105	_____
Registration facilities	14 142	_____

LEICA-Winder M4-2 with accessories

LEICA-Winder M4-2	14 400	_____
Battery-housing (as replacement)	14 227	_____
Connecting cable for remote control	14 229	_____
Battery charger	on request	_____

Lenses

ELMARIT-M f/2.8/21mm	11 314	_____
Mirror finder for above	12 012	_____
ELMARIT-M f/2.8/28mm	11 804	_____
SUMMICRON-M f/2/35mm	11 310	_____
SUMMILUX-M f/1.4/35mm	11 870	_____
SUMMICRON-M f/2/50mm	11 819	_____
SUMMILUX-M f/1.4/50mm	11 114	_____
NOCTILUX-M f/1/50mm	11 821	_____
SUMMILUX-M f/1.4/75mm	11 814	_____
TELE-ELMARIT-M f/2.8/90mm	11 800	_____
SUMMICRON-M f/2/90mm	11 136	_____
TELE-ELMAR-M f/4/135mm	11 851	_____
ELMARIT-M f/2.8/135mm with viewfinder attachment	11 829	_____

Carrying cases

	Code No.	Price
Eveready case, calfskin-nappa-leather for LEICA M4-P with lens up to 50mm	14 571	_____
Combination case for LEICA M4-P with two lenses	14 826	_____
Universal carrying case for LEICA M4-P with four lenses as well as other accessories	14 807	_____

Accessories

Carrying strap (as replacement)	14 258	_____
Flash contact plug	15 526	_____
Large ball and socket tripod head	14 121	_____
Small ball and socket tripod head	14 119	_____
Table tripod	14 100	_____
Cable release, 25cm long	14 067	_____
Cable release, 50cm long	14 076	_____
Intermediate bayonet ring 21mm, 50mm focal length	14 097	_____
28mm, 90mm focal length	14 098	_____
35mm, 135mm focal length	14 099	_____

Camera correction lenses

+0.5 Diopters	14 061	_____
+1.0 Diopters	14 362	_____
+1.5 Diopters	14 363	_____
+2.0 Diopters	14 364	_____
+3.0 Diopters	14 365	_____
-0.5 Diopters	14 366	_____
-1.0 Diopters	14 367	_____
-1.5 Diopters	14 368	_____
-2.0 Diopters	14 369	_____
-3.0 Diopters	14 370	_____

Recommended combinations

1. Standard outfit

	Code No.	Price
LEICA M4-P housing	10415	_____
LEICAMETER MR	14 218	_____
SUMMICRON-M f/2/50mm	11 819	_____
Eveready case	14 517	_____

2. Outfit for the practicing photographer

When choosing a simple outfit for landscapes, sport, and portraiture, we recommend the wide angle and a small tele lens instead of the 50mm lens.

LEICA M4-P housing	10 415	_____
LEICAMETER MR	14 218	_____
SUMMICRON f/2/35mm	11 310	_____
TELE-ELMARIT-M f/2.8/90mm	11 800	_____

Alternatively for high speed photography:

SUMMILUX-M f/1.4/35mm	11 870	_____
SUMMICRON-M f/2/90mm	11 136	_____

3. The equipment with the most frequently used focal length lenses.

This outfit enables the photographer to exhaust many possibilities of creative image composition. It doesn't take much room and offers a wide spectrum of applications.

LEICA M4-P housing	10 415	_____
LEICAMETER MR	14 218	_____
SUMMICRON-M f/2/35mm	11 310	_____
SUMMICRON-M f/2/50mm	11 819	_____
TELE-ELMARIT-M f/2.8/90mm	11 800	_____
Small ball and socket head	14 119	_____
Table tripod	14 100	_____
Cable release, 25cm long	14 067	_____

4. The special outfit for a specific purpose.

This is the equipment used by photographers for all around applications in dynamic photography. Equally at home in available light as for the quick candid shot.

LEICA M4-P housing	10 415	_____
LEICAMETER MR	14 218	_____
LEICA-WINDER M4-2	14 400	_____
ELMARIT-M f/2.8/28mm	11 804	_____
NOCTILUX-M f/1/50mm	11 821	_____
SUMMICRON-M f/2/90 mm	11 136	_____

Large ball and socket tripod head	14 121	_____
Table tripod	14 100	_____

5. The bridge across focal lengths from 21 to 135mm

The advanced or the professional, wants to be prepared for all possible situations. The following represents a universal outfit for reporting expeditions and photojournalism.

LEICA M4-P housing	10 415	_____
LEICAMETER MR	14 218	_____
LEICA-WINDER M4-2	14 400	_____
ELMARIT-M f/2.8/21mm	11 314	_____
Mirror finder 21mm	12 012	_____
SUMMICRON-M f/2/50mm	11 819	_____
TELE-ELMARIT-M f/4/135mm	11 851	_____

6. The wide bridge across the focal length with ultra high speed lenses.

This outfit is designed primarily for photography under poor lighting conditions. The broad range of focal lengths covers all possibilities.

LEICA M4-P housing	10 415	_____
LEICAMETER MR	14 218	_____
LEICA-WINDER M4-2	14 400	_____
ELMARIT-M f/2.8/21mm	11 314	_____
Mirror finder 21mm	12 012	_____
SUMMILUX-M f/1.4/35mm	11 870	_____
SUMMILUX-M f/1.4/50mm	11 114	_____
SUMMILUX-M f/1.4/75mm	11 814	_____
ELMARIT-M f/2.8/135mm with finder attachment	11 829	_____
Large ball and socket tripod head	14 121	_____
Table tripod	14 100	_____
Cable release, 25cm long	14 067	_____

It is, of course, possible to put together individual combinations which are even more application specific.



From a single source with LEITZ precision

Photography — with a LEICA®
Projection — with a PRADOVIT®
Enlarging — with a FOCOMAT®
Observation — with a TRINOVID®



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World-wide**