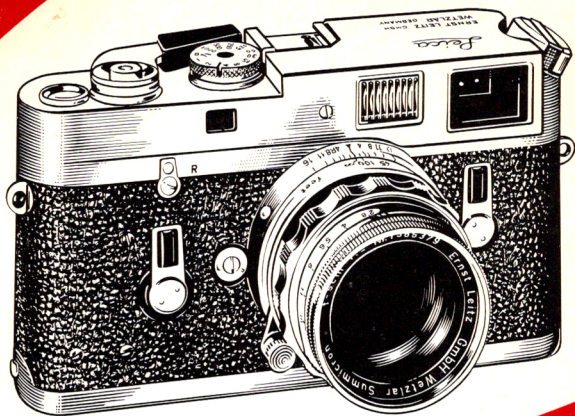


CATALOG NO. 40



Leica and Leicaflex



*cameras &
accessories*

Your assurance that the Leica camera or lens you buy is a new one, is the Leitz Registration Card which identifies the equipment by serial number. On returning this card to E. Leitz, Inc., you will receive your Leitz Guarantee Certificate. Only a Franchised Leica Dealer can provide you with the Leitz Registration Cards. We cannot guarantee any camera or lens sold to you without a Leitz Registration Card, since it must be assumed to be second-hand equipment.

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**35mm PROJECTORS ARE DESCRIBED IN OTHER LEITZ LITERATURE
AND CATALOGS AVAILABLE FROM YOUR FRANCHISED LEICA DEALER**

Prices and specifications effective June 1, 1967. Both are subject to change without notice.

LEICA "M" CAMERAS

The Leica "M" models are the achievement of more than a third of a century of progress in the design of rangefinder 35mm cameras. Since 1925, when the introduction of the first Leica

launched the present era of 35mm photography, constant improvements have been added to make operation easier and success more certain.

THE LEICA MODELS M4, M3, M2, AND M2X ALL HAVE THESE ADVANCED FEATURES:

- Brilliant, single-window range- and viewfinder.
- Automatic Parallax correction.
- Accurate, rugged focal-plane shutter.
- One-stroke film-advance and shutter-wind lever.
- Single speed-setting dial with click-stops for speeds from 1 second to 1/1000th and B.
- **Automatic** flash synchronization for both conventional flash bulbs and electronic flash.
- Rewind lever resets **automatically** to "advance" position as film is loaded.
- Built-in self-timer (up to 10 seconds delay). (Leica M2X does not have self-timer.)
- Accessory shutter-coupled exposure meter available.
- Accessory reflex housing available for long-lens and close-up work.
- Many other accessories for close-up, copying and photo-micrography available.

M 4

The newest M model Leica featuring:

- Easy-fast position loading
- Cleverly designed "canted rewind-crank"
- View-finder image three quarter life size
- Built-in, bright-line frames for four focal lengths; 35mm, 50mm, 90mm and 135mm
- Built-in exposure counter automatically resets itself to zero on reloading camera

M 3

The Leica M3 a companion model differing slightly from the M4

- Brilliant, single window range- and viewfinder with life size image
- Bright line picture frames for the 50mm, 90mm and 135mm lenses

M 2

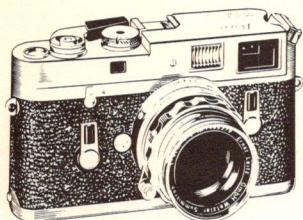
The M2 is a "special purpose" camera with slight differences from the M4 and M3

- Built-in bright-line frames for the 35mm, 50mm and 90mm lenses
- Manually-reset automatic exposure counter. In addition, the M2 may be used with the Leica Motor Drive and the Leicavit Rapid Winder for fast sequence photography
- Viewfinder image three quarter life size

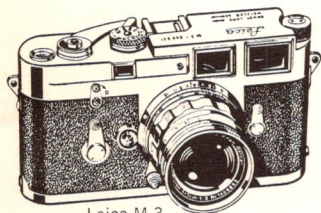
M 2X

The M2X is a variation of the M2 with the self-timer eliminated

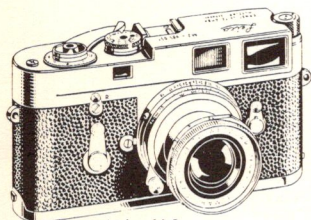
LEICA "M" CAMERAS



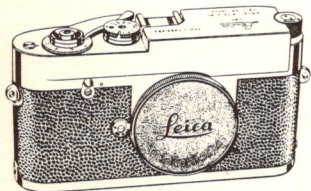
Leica M 4



Leica M 3



Leica M 2



Leica MD

Catalog Number	Item	Retail Price
10,400	Leica M 4 without lens	\$288.00
10,405	Leica M 4 with 50mm Elmar f/2.8 lens	366.00
10,406	Leica M 4 with 50mm rigid Summicron f/2 lens	438.00
10,407	Leica M 4 with 50mm Summicron DR f/2 lens	477.00
10,408	Leica M 4 with 50mm Summilux f/1.4 lens	501.00
10,150	Leica M 3 without lens	288.00
10,157	Leica M 3 with 50mm Elmar f/2.8 lens	366.00
10,180	Leica M 3 with rigid 50mm Summicron f/2 lens	438.00
10,185	Leica M 3 with Dual-Range 50mm Summicron f/2 lens and Optical Viewing Unit	477.00
10,167	Leica M 3 with 50mm Summilux f/1.4 lens	501.00
10,308	Leica M 2 with self-timer but without lens	249.00
10,333	Leica M 2 with 35mm Summaron f/2.8 lens	372.00
10,331	Leica M 2 with 35mm Summicron f/2 lens	412.50
10,335	Leica M 2 with 50mm Elmar f/2.8 lens	327.00
10,336	Leica M 2 with 50mm rigid Summicron f/2 lens	399.00
10,338	Leica M 2 with 50mm Dual-Range Summicron f/2 lens and Optical Viewing Unit	438.00
10,337	Leica M 2 with 50mm Summilux f/1.4 lens	462.00
10,300	Leica M 2X without lens	214.00

LEICA MD

The Leica MD is a camera designed for industrial, medical and scientific use with the Visoflex reflex housing, Micro-IBSO and other specialized attachments. It is similar in construction to the discontinued M 1 camera but lacks a rangefinder and viewfinder. Shutter speeds are from one to 1/1000th of a second, and the MD accepts the lenses and accessories used with the other "M" Leica models.

frame identification

For laboratory use, the MD permits frame identification to be printed on the negative at the same time the picture is made. This is accomplished by using a special baseplate (available as an accessory) which permits a transparent plastic strip to be inserted and positioned across one short edge of the film gate, in front of the film. Information marked on the plastic strip is thus printed on the negative when the exposure is made.

10,101	Leica MD without lens and with standard baseplate....	\$186.00
10,911	Leica MD without lenses, with special base plate #14,131	194.50
14,131	Special Baseplate for Leica MD. Permits identification strips to be inserted into camera	19.00
14,132	Negative Marking Strips for use with special baseplate #14,131. Can be written on and positioned in front of film in camera for frame identification at time of exposure. Package of 100 strips	8.50

MOTOR DRIVE FOR LEICA M2

The Motor Drive enables the Leica Photographer to take sequence and/or single frame pictures with automatic shutter firing and instant film advance. Ideal for news, sports, industrial, science, technology, medicine, aviation, military and surveillance purposes. This motor is for all "M" model Leicas except the "M3".

Catalog Number	Item	Retail Price
98,700	Motor Drive for Leica M2, M1, MD and MP Cameras (not for M3)	\$372.00
10,903	Leica Camera Body M2X Modified to accept Motor Drive Catalog No. 98,700	256.00
10,904	Leica Camera Body M2S Modified to accept Motor Drive Catalog No. 98,700	291.00
98,712	Remote Control Cord, a 15 foot cord with push-button switch and connector plug	9.00
98,713	Remote Control Cord, a 100 foot cord with push-button switch and connector plug	12.00

Note: New Leicas which have been modified (Catalog No. 10,903 and 10,904) for the Motor Drive are offered only with a Motor Drive (Catalog No. 98,700). E. Leitz, Inc. will modify Leica M2's M1's, MD's and MP's to accept a Motor Drive when the camera requiring modification is accompanied by a Motor Drive or an order for one. The price is \$44.60. Cameras requiring conversion should be sent to:

E. LEITZ, INC.
PHOTO-REPAIR DEPT.
304 HUDSON ST.
NEW YORK
NEW YORK 10013

CAMERAS, LENSES & ACCESSORIES AVAILABLE IN BLACK FINISH

To meet a limited but definite demand, certain Leica cameras, lenses, and accessories are now offered in a black as well as a chrome finish. These black-finish items will be available in limited quantities and on special order only.

The black cameras and lenses have white lettering and numerals except for the footage markings on the feet meter focusing scales of the lenses. These are in red.

Catalog Number	Item	Retail Price
CAMERAS IN BLACK FINISH		
10,151	Leica M 3 without lens	327.00

LENSES IN BLACK FINISH

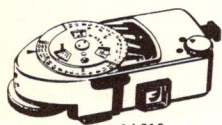
SEE LENS LISTINGS ON PAGES 6, 7, AND 8 OF THIS SECTION.
LENSES AVAILABLE IN BLACK ARE SO NOTED.

ACCESSORIES IN BLACK FINISH

14,212	Leica-Meter MR	54.00
14,124	Front Lens Cap, in black finish, for 90mm f/2 and 135mm f/2.8	2.40

BASIC CAMERA ACCESSORIES

BASIC ACCESSORIES FOR LEICA "M" MODELS



14,210



14,526



14,528



14,006

Catalog Number	Item	Retail Price
14,210	Leica-Meter MR, battery operated with CdS cell and self-locking indicator needle. Has 27° angle of acceptance. Couples to speed dial of Leica "M" models except M4. Complete with Mallory PX 625 "button" battery...	\$48.00
14,212	Leica-Meter-MR, in black finish otherwise same as #14,210	54.00
14,217	Leica Meter MR-4 same as #14,210 except it is designed for all M models including M4	48.00
14,215	Case for exposure meter MR.	4.80
14,213	Case for exposure meter MR-4	4.80
14,128	Mallory PX 625 battery for Leica Meter MR (as replacement)	0.75
14,526	Eveready Case for Leica M 3 or M 2 with 35mm "RF" lenses or 50mm Dual-Range Summicron, each with Optical Viewing Unit attached	21.60
14,528	Eveready Case for Leica M 3, M 2 or M 1 with Leica Meter MR attached and lenses through 50mm without Optical Viewing Unit or collapsible 90mm lens.	20.40
14,094	Shoulder Grip for strap of Eveready case. Fits carrying straps up to 1/2" wide.	0.90
14,006	Film Magazine for all Leicas except 250 exposure model; with screw-cap plastic container	9.00
14,097	Bayonet Adapter actuating the 50mm viewfinder frame of the Leica M2 and M3	9.00
	For M3 with: All screw-mounting Leica lenses 50mm or less in focal length.	
	For M2 with: All screw-mounting 50mm Leica lenses.	
14,098	Bayonet Adapter actuating the 90mm viewfinder frame of the Leicas M2 and M3	9.00
	For M2 and M3 with: All screw-mounting 90mm Leica lenses.	
14,099	Bayonet Adapter actuating the 135mm viewfinder frame of the Leica M3 and the 35mm frame of the Leica M2	9.00
	For M3 with: All screw-mounting 135mm Leica lenses.	
	For M2 with: All screw-mounting Leica lenses 35mm or less in focal length.	

Note: Any of the above Bayonet Adapters can be used to attach 135mm screw-mounting lenses to the M2. Since a separate viewfinder must be used for this focal length on the M2, the bright-line frame which is actuated in the range-viewfinder is unimportant.

This is also true for adapting the screw-threaded Visoflex I to "M" Leicas, since viewing and focusing are done on the ground glass screen. (The screw-mounting Visoflex II cannot be adapted to bayonet-mounting cameras.)

WIDE-ANGLE BAYONET LENSES

The versatility and popularity of the Leica System of photography have always been rooted in the large selection of interchangeable lenses available for it. The lenses below have bayonet mounts which fit the "M" series Leicas. Screw-mounting lenses for older Leicas, and lenses designed for use on Visoflex reflex housings will be found in other sections of this catalog.

Range-finder-coupled lenses for the "M" Leicas are available in focal lengths from the extreme wide-angle 21mm to the long-focus 135mm. This group affords great control, both creative and technical, over the final picture. Through proper choice of lens, you can control perspective, bring distant scenes "closer," or work in small crowded areas, yet record all the important subject matter without the need to move back from it.

There is a Leica lens for every purpose. Some have the extremely high aperture of $f/1.4$ for work under very poor light. One—the Dual Range 50mm Summicron $f/2$ —can be focused as close as 19" without extra accessories. And the 135mm Elmarit $f/2.8$ combines high speed with long focal length for situations which demand both from a lens. Still others are designed for all-around usefulness at modest cost.

Several of the longer focal lengths — particularly models of the 90mm and 135mm lenses — can also be used on the Visoflex II and III by means of adapters. This adaptation is especially useful for close-up and portrait work.

The longer focal length lenses, from 200mm to 400mm, which must be focused by a reflex system, are described in the section on the Visoflex housings.

Catalog Number	Item	Retail Price
11,103	21mm Super-Angulon $f/3.4$ in chrome finish, including special lens hood	\$270.00
12,002	Optical Bright-line Viewfinder for 21mm lenses	67.50
11,801	28mm Elmarit $f/2.8$ in black finish with hood	226.50
11,802	28mm Elmarit $f/2.8$ in black finish without hood	216.00
12,007	Optical Viewfinders for 28mm lens	40.50
11,106	35mm "RF" Summaron $f/2.8$ in chrome finish with Optical Viewing Unit for M 3	159.00
11,306	35mm Summaron $f/2.8$ in chrome finish for M 2	123.00
11,108	35mm "RF" Summicron $f/2$ in chrome finish with Optical Viewing Unit for M 3	198.00
11,308	35mm Summicron $f/2$ in chrome finish for M 2	163.50
11,870	35mm Summilux $f/1.4$ in black finish for M 2	183.00
11,871	35mm "RF" Summilux $f/1.4$ in black finish with Optical Viewing Unit for M 3	213.00
12,585	Lens Hood with clamping device for 35mm and 50mm Summicron and Summaron lenses with 42mm flange diameter	10.50
12,501	Lens Hood for 28mm Elmarit and 21mm Super Angulon lens	10.50



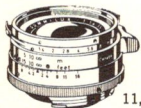
11,103



11,306



11,308



11,870



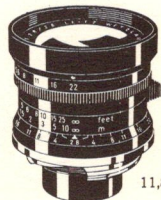
12,585



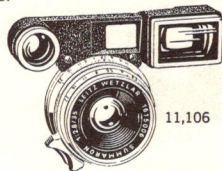
12,002



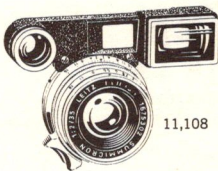
12,007



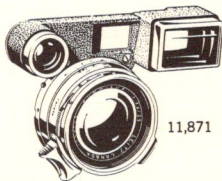
11,801



11,106

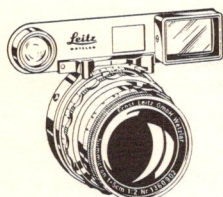


11,108



11,871

NORMAL BAYONET LENSES

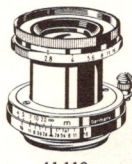


11,318

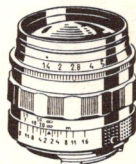
Catalog Number	Item	Retail Price
11,112	50mm Elmar f/2.8 in chrome finish	\$ 78.00
11,118	50mm Summicron f/2, rigid in chrome finish	150.00
11,117	50mm Summicron f/2 same as #11,118 but in black finish	171.00
11,318	50mm Dual-Range Summicron f/2 with Optical Viewing Unit for M 3 or M 2, in chrome finish	189.00
14,002	Optical Viewing Unit for bayonet-mounting 50mm Dual-Range Summicron f/2 lens (as replacement)	27.00
11,114	50mm Summilux f/1.4, in chrome finish, includes lens hood and lens hood cap	213.00
11,113	50mm Summilux f/1.4 same as #11,114 but in black finish	222.00
11,820	50mm Noctilux f/1.2 lens in black finish with sunshade and lens cap	678.00
12,585	Lens Hood with clamping device for 35mm and 50mm lenses with 42mm flange diameter	10.50
12,522	Lens Hood for 50mm Summilux f/1.4 (as replacement)	10.50
12,503	Lens Hood for 50mm Noctilux f/1.2 lens (as replacement)	12.80



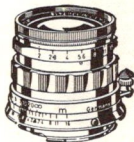
11,820



11,112



11,114

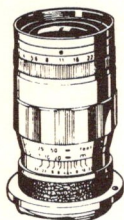


11,118

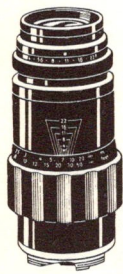


12,585

LONG-FOCUS BAYONET LENSES



11,130



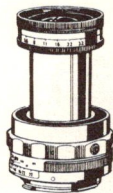
11,851



12,030



11,123



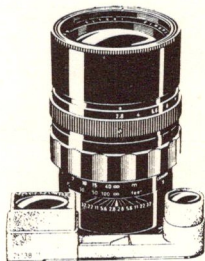
11,131



11,129



12,575



11,829

Catalog Number	Item	Retail Price
11,130	90mm Elmar f/4, rigid in chrome finish	\$105.00
11,131	90mm Elmar f/4, collapsible in chrome finish	123.00
11,800	90mm Tele-Elmarit f/2.8 in black finish. Telephoto design; mount is only 60mm long	177.00
11,129	90mm Elmarit f/2.8, rigid in chrome finish	174.00
11,123	90mm Summicron f/2, rigid; black finish	234.00
11,851	135mm Tele-Elmar f/4; telephoto design black anodized finish	177.00
11,829	135mm Elmarit f/2.8, black finish only, with built-in collapsible lens hood and filter retaining ring to accept Series 7 filters	273.00
12,030	Optical Bright-Line Viewfinder for 135mm Elmar lens when lens is used on M 2	27.00
12,575	Lens Hood with clamping device for bayonet-mounting 90mm Elmarit, Tele-Elmarit and Elmar and 135mm Hekor, Elmar and Tele-Elmar lenses with 42mm front diameter.	10.50

(Other viewfinders and lens hoods are listed in the Accessories Section.)

DATA FOR RANGEFINDER-COUPLED "M" LEICA LENSES

Focal Length	Lens	Aperture Maximum	Aperture Minimum	Angle	Class	Click Diaphragm	Flange Diameter	Filter Designation	Weight Ounces	Minimum Focus	Approx. Min. Focus Area (in.)	Application
21mm	Super-Angulon	f/3.4	f/22	92°	Wide Angle	Yes	52.5mm	Series 7	9	With RF* M2-2'4" M3-3'4"	15 x 23 (at RF min. distance)	Interiors Architecture Panoramic
28mm	Elmarit	f/2.8	f/22	76°	Wide Angle	Yes	52.5mm	Series 7 or E 48	8	w/range-finder M2-2'4" M3-3'4"	2'x2'8"	Architecture Industrial Photo- Journalism
35mm	Summilux 1	f/1.4	f/16	64°	Wide Angle	Yes	43mm	E41	M2-8.7 M3-11.5	M2 3' M3 2' 3"	22 x 33 16 x 24	Interiors Architecture Panoramic
35mm	Summaron 1	f/2.8	f/22	64°	Wide Angle	Yes	42mm	A36	M2-6 M3-7.2	M2-2' 4" M3-2' 2"	17 x 25.5 16.2 x 24.5	Interiors Architecture Panoramic
35mm	Summicron 1	f/2	f/16	64°	Wide Angle	Yes	42mm	E39	8.25	M2-2' 4" M3-2' 2"	17 x 25.5 16.2 x 24.5	Interiors Architecture Panoramic
50mm	Elmar (collapsible mount)	f/2.8	f/16	45°	Standard	Yes	42mm	E39	7.5	3.5'	18 x 27	General Copying Macro
50mm	Summicron	f/2	f/16	45°	Standard	Yes	42mm	E39	8.25	3.5'	18 x 27	General Action Poor Light Close-up
50mm	Dual-Range Summicron	f/2	f/16	45°	Standard	Yes	42mm	E39	14.25 o.v.u.	Normal- 3' 4" Close- 19"	7 x 10 (Close- up) 18 x 27 (nor- mal)	General Action Poor Light Close-up
50mm	Summilux	f/1.4	f/16	45°	Standard	Yes	45mm	E43	11.5	3.5'	18 x 27	General Existing light Fast action
50mm	Noctilux	f/1.2	f/16	45°	Standard	Yes incl. ½ stops	52.5	Series 8	16	40"	16.5 x 25"	General Existing light Fast action
80mm (Either rigid or collapsible mount)	Elmar 2 (Note 2 for rigid mount only)	f/4	f/32	27°	Medium-Long focus	Yes	42mm	E39	9.5 & 12	3.5'	9.5 x 14.25	Animals Sports Landscapes Portraiture Close-up
										In Viso, 3' 4"	In Viso, 8.75 x 13	
90mm	Tele-Elmarit	f/2.8	f/16	27°	Tele-photo	Yes, incl. ½ stops	42mm	E39	12.5	3'4"	8.6 x 13	
90mm	Elmarit 2	f/2.8	f/22	27°	Medium-Long focus	Yes	42mm	E39	11.5	3.5'	9.5 x 14.25	
90mm	Summicron 2	f/2	f/16	27°	Medium-Long focus	Yes, incl. ½ stops	63.5mm	E48	25	3.5'	9.5 x 14.25	
135mm	Tele-Elmar 2	f/4	f/22	18°	Tele-photo	Yes, Half & full stop	42mm	E39	18	5'	8.75 x 13	Animals Sports Distance Portraiture Close-up
135mm	Elmarit 3	f/2.8	f/32	18°	Long focus	Yes, Half & full stop	65	Series 7	26	5'	8.75 x 13	

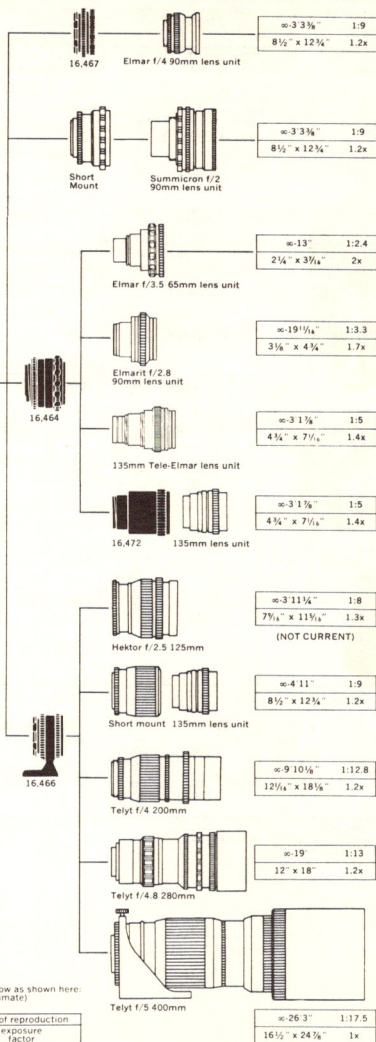
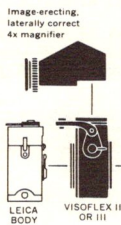
1. Separate models for M3 and M2
2. Lens unit can be used on Visoflex II or III with adapters
3. Lens unit adapts to Bellows II only

* 21mm lens focuses between minimum range-finder distances and 16", but range-finder does not function in this area.

THE VISOFLEX SYSTEM

For Normal-Range Photography
(Visoflex Close-Up Equipment Appears In The Close-Up Section)

NORMAL RANGE



Data are indicated in boxes below as shown here:
(figures are approximate)

focusing range	ratio of reproduction
area covered at shortest focus	exposure factor

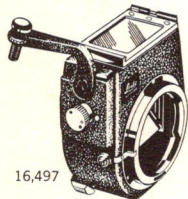
REFLEX HOUSING VISOFLEX III

Experts acknowledge that no one method of focusing is best for all photo situations. For general photography with wide angle and normal lenses, the rangefinder system is faster and more accurate than a reflex camera. For extreme close-ups and telephotography, however, a reflex system is a "must."

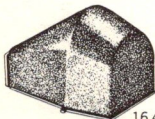
And so the Leica System has for many years made both focusing methods available in one camera by means of the Visoflex reflex housings. These accessories attach to the Leica body as quickly and easily as an ordinary lens

and accept Leica lenses from 65mm to 400mm in focal length. By adding extension tubes or a focusing bellows (or both), the Visoflex can be used for extreme close-up and scientific photography.

All lenses designed for the Visoflex except the 65mm Elmar (#11,061) and 90mm Summicron f/2 (#11,126) require the use of Adapter #16,466 when used on the Visoflex II or III. Various other adapters and short mounts for the lens units of other lenses are also available.



16,497



16,499



16,461

VISOFLEX III

The Visoflex III is available for Leica "M" models only. It provides a selection of three mirror actions, any of which can be set quickly for best efficiency with varying types of photography:

- automatic quick-return, for sports or other action pictures
- soft upswing to minimize vibration for slow speeds and short time exposures
- mirror locked out of light path for long time exposures and scientific photography

A special lever-lock on the Visoflex III permits it to be attached to or removed from the camera even more quickly than a lens.

A 4X prism magnifier for eye-level use and a 5X straight magnifier for work with the camera below eye-level are available for the Visoflex III.

<i>Catalog Number</i>	<i>Item</i>	<i>Retail Price</i>
16,498	Visoflex III , bayonet mounting, with 4X magnifier . . .	\$156.00
16,497	Visoflex III , bayonet mounting without magnifier . . .	97.50
16,499	4X Eye-Level Magnifier for Visoflex III	58.50
14,118	Correction Lens for magnifier #16,499. Corrects for near- or far-sightedness. Prescription for eye to be used must be furnished with order.	15.00
16,461	5X Standard Magnifier for Visoflex II or III	30.00

FOCUSING MOUNTS FOR VISOFLEX LENSES

SHORT LENS MOUNTS

The lens units of certain rangefinder-coupled Leica lenses are removable. In special short mounts or adapters, they can then be used on the Visoflex and Bellows Focusing Device.

What's more the lens units of some short-mounted lenses for the Visoflex can be removed

and remounted in long, rangefinder-coupled mounts, if desired.

Mounts, and some adapters are listed below. Adapters and extension tubes which fit Leica lenses for close-up photography will be found in the Close-up Section of this catalog.

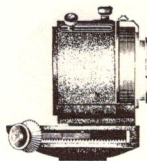
Catalog Number	Item	Retail Price
16,464	Universal Focusing Mount. Necessary with f/3.5 65mm on Visoflex II and 135mm Tele-Elmar f/4 or III. Also adapts lens unit of f/2.8 90mm Elmarit to Visoflex II or III. With extension tube =16,472 it adapts lens unit of f/4.5 135mm Hektor or Elmar f/4 to Visoflex II or III.	\$39.00
16,467	Short Focusing Mount, for lens unit of rigid f/4 90mm Elmar lenses above =1,572,401; permits focusing from infinity to 3'4" in Visoflex II or III.	21.00
16,462	Universal Focusing Mount in black finish accepts Lens Unit of 90mm f/2 Summicron or Lens Unit of 135mm f/2.8 Elmarit for use on Visoflex II or III	57.00
14,071	Short Focusing Mount, for 135mm Elmar lens unit. Fits Visoflex II and III (special order, serial number of lens must be furnished). Delivery 8-10 weeks.	30.00
14,111	Focorapid mount for Visoflex II and III. Provides instant focus change to any of three predetermined distance settings. Settings changeable at will. Accepts lens unit of 200mm Telyt f/4.	159.00
14,114	Adapter to use 135mm Hektor f/4.5 (serial numbers over 250,000) or Elmar f/4 (but not Tele-Elmar) lens with Focorapid Mount	5.70
14,113	Adapter to use discontinued 200mm Telyt f/4.5 lens with Focorapid Mount	5.70
14,112	Adapter to use 280mm Telyt f/4.8 lens with Focorapid Mount	6.30
14,136	Pistol Grip Rapid Focusing Device for long focus lenses for use on Leica Cameras with Visoflex II and III	363.00
14,137	Iris Diaphragm Adapter with preset diaphragm for rapid focusing device. This will accept the lens heads of the new Telyt 400mm f/5.6 or Telyt 560mm f/5.6 and Telyt 280mm f/4.8 with adapter =14,138	96.00
14,138	Bayonet Adapter for using lens head of Telyt 280 mm on Rapid Focusing Device	9.00



16,464



16,467



14,111

VISOFLEX LENS ADAPTERS

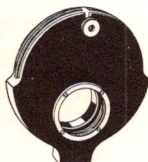
ADAPTERS FOR VISOFLEX II AND III

Catalog Number	Item	Retail Price
16,466	Adapter fitting bayonet on front side of Visoflex II with standard Leica thread, increasing extension length of Visoflex II to that of the Visoflex I and permitting use of short-mounted lenses of 125mm, 135mm†, 200mm, 280mm and 400mm focus	\$ 21.00
16,472	Adapter Tube. Adapts lens unit of 135mm† to Universal Focusing Mount #16,464. Permits the lens to be focused to infinity on the Visoflex II or III. Can also be used with #16,464 and extension tube #16,471 at distances from 38" to 26"	5.40
14,116	Three Filter Turret for use with short mounted 135mm†, 200mm, 280mm, and 400mm lenses on Visoflex II and III, replaces Adapter No. 16,466, accepts 3 filters size E43. Adapters required for series 6 filters	57.00
14,117	Adapter Ring to use Series 6 filters in Filter Turret	2.40
14,020	Extension Tube (15mm), fitting between 200mm Telyt and Visoflex for photography between 6 and 10 feet ..	3.90
14,024	Intermediate Collar (63.5mm) with special viewfinder shoe. Replaces Visoflex and adapter #16,466 when using 200mm or 400mm Telyt directly on Leica cameras having bayonet lens flange. Must be used with #12,035 or #12,037 and focusing of lenses is possible only by distance scale on lens mount	30.00
12,035	Sports Frame Finder for 200mm lens for use with Intermediate Collar	25.50
12,037	Sports Frame Finder for 400mm lens for use with Intermediate Collar	25.50

†Except 135mm Tele-Elmar f/4



16,466



14,116



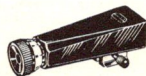
14,117



14,020



14,024



12,035

VISOFLEX LENSES

Catalog Number	Item	Retail Price
11,062	65mm Elmar f/3.5 for Visoflex II or III only. Lens unit without focusing mount. Use with Universal Focusing Mount #16,464	\$ 84.00
11,128	90mm Elmar f/4 lens unit for use on Visoflex II or III only. Use with Short Focusing Mount #16,467	72.00
11,026	90mm Elmarit f/2.8 lens unit for use on Visoflex II or III only. Used with Universal Focusing Mount #16,464	129.00
11,132	90mm Summicron f/2 lens unit only, in black finish, with preset diaphragm (without focusing mount), for use with universal focusing mount #16,462 on Visoflex III	150.00
11,133	90mm Summicron f/2 lens head only, in black finish, with standard type diaphragm (not preset diaphragm) without focusing mount....	141.00
11,828	135mm Elmarit f/2.8 lens head only in black finish (without focusing mount), with built-in collapsible lens hood and filter retaining ring to accept series 7 filters	153.00
11,852	135mm Tele-Elmar f/4 lens unit for use on Visoflex II or III only. Used with universal focusing mount #16,464	138.00



11,128



11,062



11,026

The following lenses require the adapter #16,466 for use on the Visoflex II or III (without adapter, they are used directly on the non-current Visoflex I):

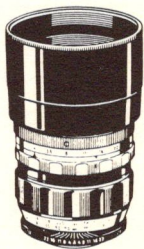
11,063	200mm Telyt f/4 short mount, includes pre-set diaphragm built-in collapsible lens hood and lens hood cap	246.00
11,912	280mm Telyt f/4.8 in parallel focusing mount with tripod socket; matte black finish, pre-set diaphragm; built-in collapsible lens hood	291.00
11,066	400mm Telyt f/5 in short mount; includes built-in collapsible lens hood and lens hood cap	498.00

THE FOLLOWING LENSES CAN ONLY BE USED WITH THE PISTOL GRIP RAPID FOCUSING DEVICE #14,136:

11,866	Telyt 400mm f/5.6 lens head only, w/out diaphragm	123.00
11,867	Telyt 560mm f/5.6 lens head only, w/out diaphragm	201.00



11,066



11,063



11,912

DATA FOR VISOFLEX II AND III LENSES*

Focal Length	Lens	Aperture Max.	Aperture Min.	Angle	Class	Click Diaphragm	Flange Diameter	Filter Designation	Weight Ounces	Min. Focus	Approx. Min. Focus Area (In.)	Application
65mm	Elmar	f/3.5	f/22	36°	Standard Med. Long	Yes incl. ½ stops	43mm	E41	4½ (less focusing mt.)	13"	2.25 x 3.25	General Close-up Copying
90mm	Summicron	f/2	f/16	27°	Medium Long focus	Yes incl. ½ stops	63.5mm	E48	19	3.5'	9.5 x 14.25	Portraiture Theatrical Existing light Animals
125mm <small>NOT CURRENT</small>	Hektor	f/2.5	f/22	20°	Long focus	Yes	59.8mm	E58	20.5	4'	7.5 x 11.25	
135mm	Tele-elmar	f/4	f/22	18°	Tele-photo	Yes incl. ½ stops	42mm	E39	6.75 (less focusing mt.)	5'	8.75 x 13	Sports Distance Portraiture Close-up
200mm	Telyt	f/4	f/22	12°	Tele-photo	Yes (Preset)	65mm	E58	23	10'	11.75 x 17.75	Sports Wild life Distance Portraiture
280mm	Telyt	f/4.8	f/32	8.5°	Tele-photo	Yes (Preset)	65mm	E58	52.3	19'	18 x 22	Distance Wild life Sports
400mm	Telyt	f/5	f/32	6°	Tele-photo	No	91mm	E85	76	25'	16 x 24	Distance Wild life Sports
400mm	Telyt** Lens Head	f/5.6	f/32	6	Tele-photo	**	**	Series 7	22.2	7' 3"	6.4" x 9.6"	Distance Wild life Sports
560mm	Telyt** Lens Head	f/5.6	f/32	4.5	Tele-photo	**	**	Series 7	61.2	11' 10"	9.1" x 13.7"	Distance Wild life Sports

*Removeable lens units of certain other Leica lenses can also be used on the Visoflex with proper adapters. See other lens data chart and individual lens listings.

**This lens head must be used with pistol rapid focusing device # 14,136. The lens heads do not have diaphragms of filter retaining rings. Both a filter slot for Series 7 filters and a diaphragm are in the rapid focusing device.

VIEW FINDERS AND LENS HOODS

VIEWFINDERS

Viewfinder frames for lenses from 50mm through 135mm are provided automatically by the range-viewfinder system of the Leica M 3. In the M 2 the 35mm through 90mm lenses are provided for.

But with extreme wide-angle lenses, or with a rangefinder-coupled 135mm lens on the M 2, accessory finders are needed for accurate composition.

Leitz Optical Bright-Line viewfinders slip into the camera accessory clip and outline the appropriate picture field with a brilliant white line. Parallax compensation is provided, except in the case of the 21mm finder.

The Sports Frame finders outline the subject area in an open frame. They are especially useful for making action pictures and for general sports work. The frame finders also provide for parallax compensation.

(Carrying cases for the viewfinders are listed with cases for other Leica equipment)

OPTICAL FINDERS

Catalog Number	Item	Retail Price
12,002	Optical Bright-Line Viewfinder for 21mm lens	\$ 63.00
12,007	Optical Bright-Line Viewfinder for 28mm lens	37.50
12,010	Optical Bright-Line Viewfinder for 35mm lenses	34.50
12,015	Optical Bright-Line Viewfinder for 50mm lenses	27.00
12,025	Optical Bright-Line Viewfinder for 90mm lenses	30.00
12,030	Optical Bright-Line Viewfinder for 135mm lenses	27.00

FRAME FINDERS

12,035	Sports Frame Finder for 200mm lens	25.50
12,037	Sports Frame Finder for 400mm lens	25.50

LENS HOODS

The purpose of a lens hood is to protect the clarity, contrast and brilliance which have been designed into your lenses. A lens hood keeps direct light rays — whether from the sun, flood or flash lamp — from hitting the front of the lens, causing internal reflections and loss of contrast in the picture.

Use a lens hood at all times — indoors and out — to keep picture quality high.

LENS HOODS

12,501	Lens Hood for 21mm Super Angulon f/3.4 lens and 28mm Elmarit f/2.8 lens (as replacement)	10.50
12,585	Lens Hood for 35mm and 50mm lenses with 42mm front diameter, complete with plastic dust cap for use when lens is reversed for carrying and storage. Does not obstruct viewfinder	10.50
12,522	Lens Hood for 35 mm Summilux f/1.4 (as replacement for lens #2166701 and below)	10.50
12,504	Lens Hood for 35mm Summilux with serial #2166701 and above	10.50
12,521	Lens Hood for all 50mm Summilux f/1.4 lenses (as replacement)	9.30
12,575	Lens Hood with clamping device for bayonet-mounting 90mm Elmarit, Tele-Elmarit and Elmar and 135mm lenses with 42mm front diameter	10.50



12,002



12,007



12,010



12,015



12,025



12,030



12,035



12,501



12,585



12,575

LENS AND BODY CAPS

LENS PROTECTION COVERS

Scratched lens surfaces can spoil the definition and contrast of even the finest lenses. Lens covers are the best and most inexpensive protection available against dust, moisture and abrasion. Safeguard lens elements — both front and rear — whenever the lens is not in use.

Lens-opening covers are used to protect the camera body whenever it is stored or carried without a lens attached.

Catalog Number	Item	Retail Price
14,032	Front Lens Cap , screw-in type. Fits lenses with 42mm flange diameter	\$ 1.95
14,102	Front Lens Cap , Plastic, for 21mm Super Angulon f/3.4 lens	1.65
14,078	Front Lens Cap , Plastic for 35mm f/1.4 Summilux lens with serial # below 2166701 (fits front lens flange not lens hood)	1.65
14,143	Front Lens Cap , Plastic cap for 36mm Summilux f/1.4 with serial #2166701 and above	1.65
14,031	Front Lens Cap , chrome plated, fitting 50mm Summicron and all Leica lenses with 42mm flange diameter)	1.95
14,036	Front Lens Cap , chrome plated, for 50mm Summilux f/1.4 lens. (Fits front lens flange, not lens hood).....	1.95
14,033	Front Lens Cap . Fits over rear of Lens Hood #12,585 for 35mm and 50mm lenses when hood is reversed for storage .....	.45
14,037	Front Lens Hood Cap , plastic. Fits lens hood #12,521 for 50mm Summilux reversed on lens for carrying or storage .....	.45
14,034	Front Lens Cap , chrome plated, for 65mm Elmar lens (as replacement)	1.65
14,028	Front Lens Cap , chrome finish, for 90mm Summicron f/2 lenses with serial numbers 1,651,00 or over and 135mm f/2.8	2.40
14,124	Front Lens Cap , in black finish, for 90mm f/2 and 135mm f/2.8	2.40
14,044	Front Lens Cap , for 200mm f/4 Telyt lens	2.70
14,079	Front Lens Cap , for 280mm f/4.8 Telyt lens	3.30
14,046	Front Lens Cap , black finish, for 400mm Telyt lens	3.75
REAR COVERS		
14,042	Rear Lens Cap , for bayonet-mounting 21mm Super Angulon lenses and Stemar lenses	3.00
14,051	Rear Lens Cap , plastic, for all bayonet-mounting lenses (except 21mm lens) and Visoflex	1.95
14,074	Rear Lens Cap , for 65mm Elmar .....	.90
14,050	Rear Lens Cap for all Visoflex lenses with screw mount	1.95
CAMERA COVERS		
14,056	Lens Opening Cover , for Leica cameras having bayonet-type lens flange	1.95



14,031



14,051



14,056

CORRECTION LENSES

Special correction lenses are available for the eyepiece of the range-viewfinder of the Leica to correct the system for your individual eyesight, should you be one of the many who normally wear glasses. With such a lens, you can use your camera accurately and conveniently without using eyeglasses. Please provide a prescription for your "camera eye" when ordering correction lenses.

CAMERA ATTACHMENTS

CORRECTION LENSES

(Correction lenses are custom-made accessories and are available on special order only. Prescription for the eye used must be furnished when ordering. Delivery: 8-12 weeks.)

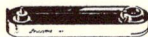
Catalog Number	Item	Retail Price
14,061	Correction lenses for Leica M2 and M3. To correct near and far sightedness	\$ 10.00
14,062	Correction lenses for Leica M2 and M3. To correct astigmatism	15.00
14,063	Correction lenses for 4X and 5X magnifiers for Visoflex I and II. Corrects for near- and far-sightedness	9.00
14,118	Correction Lens for Visoflex III magnifier #16,499. Corrects for near- or far-sightedness. Prescription for eye to be used must be furnished with order	15.00

MISCELLANEOUS ATTACHMENTS

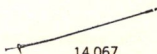
A selection of small accessories adds extra fun and convenience to picture-taking. The Leicavit Rapid Winder, for instance, makes it possible to shoot exciting action-sequence pictures at a faster rate than normal camera operation would permit.

The other attachments, whose functions are self-explanatory, help in various ways to make it easier for you to get the most from your Leica.

Catalog Number	Item	Retail Price
14,008	Leicavit Rapid Winder for M2 or M1 (cannot be used on Leica M3)	\$ 55.50
14,067	Cable Release (10 inches) with locking screw for bayonet-mounting Leica models	1.95
14,022	Take-Up Spool (marked "M") with pop-knob for Leica "M" models and I _g and III _g . (Unmarked spools cannot be used with the I _g , III _g)	3.90
14,092	Adjustable Neck Strap for all Leicas	2.10
14,100	Table Tripod without ball-and-socket head	9.60
14,105	Ball-and-Socket Head, small	10.50
14,121	Ball-and-Socket Tripod Head, large rigid construction, with interchangeable adapters for European and ASA Tripod threads	21.00
14,130	Adjustable Shoulder Strap for all Leicas	9.60
98,206	Benser Base Plate Lens Holder for all Leica "M" cameras. Holds two bayonet-mount Leica lenses (21mm lens requires adapter 16,469). Fits camera base plate, matte chrome finish	39.00



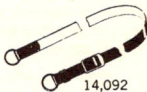
14,008



14,067



14,022



14,092



14,100

The Leicaflex answers the demand for a system of single-lens reflex photography which has the same superb quality as the Leica rangefinder system. The Leicaflex is an eye-level 35mm reflex camera featuring a virtually vibration-free, patented, instant-return mirror and

built-in CdS exposure meter which is cross-coupled to both shutter speed and diaphragm controls. Its lenses have automatic diaphragms which remain wide open, closing down to a pre-selected aperture as the picture is taken, and reopening instantly.

MIRROR

A patented cam-lever action in the Leicaflex mirror mechanism arrests the upward motion of the mirror gently, preventing a jarring slap which could cause vibration. A control lever

on the front of the camera permits you to lock the mirror up out of the light path either before or after the exposure is made.

BUILT-IN METER

A very sensitive cadmium sulphide exposure meter is built into the Leicaflex and can be set for film speeds from ASA 8 to 6,500 by means of a click-stopped dial. DIN speeds of from 10 to 39 are also provided for. The meter is powered by a Mallory PX 625 "button" battery which lasts from 1½ to 2 years.

To set the proper exposure, an indicator needle and follower arm, visible in the camera's viewfinder, are aligned by turning either the shutter speed dial, the aperture selector ring on the lens, or both.

The meter's measuring angle is approximately 27° — about that of a 90mm lens.

VIEWFINDER

The viewfinder of the Leicaflex is a brilliant Fresnel-lens screen with a central focusing spot containing 13,000 microprisms. An out-of-focus image is blurred, with wavy outlines; as the lens is properly focused, the image snaps into sharp clarity.

In addition to the exposure meter needle and follower arm, a shutter speed scale and indicator needle are also visible in the finder, below the actual picture area. Thus, it is possible to

adjust the speed without removing the camera from your eye. A small circle at the top right and a larger one at the bottom right of the finder field, indicate whether the diaphragm is being opened up or stopped down when the diaphragm ring is used to set the exposure meter.

The eye-relief of the viewfinder is 15mm which permits eyeglass wearers to see the whole field without difficulty.

OTHER FEATURES

The Leicaflex also features a hinged back, self-timer, film-type reminder dial, battery-condition check, rapid rewind crank, accessory shoe, built-in, automatic-reset exposure counter and a single-stroke film-advance and shutter-rewind lever.

All Leicaflex lenses have an anodized finish. A Leica-to-Leicaflex adapter, soon to become available will permit the use on the Leicaflex, of lenses designed for the Leica Visoflex. It will also permit the use of the Bellows II on the new camera.

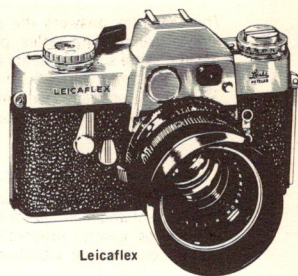
ELPRO CLOSE-UP LENSES

The Elpro close-up lenses for the Leicaflex are two-element achromats especially designed for the prime lenses with which they are used. They are attached by being screwed into the front of the main lens.

The Elpros retain the superb performance of the Leicaflex lenses and also permit the automatic diaphragm action of the lenses in close-up work. And, since they require no bellows extension, Elpro close-up photography requires no bellows extension factors.

LEICAFLEX & LENSES

Catalog Number	Item	Retail Price
10,001	Leicaflex, without lens	\$384.00
10,218	Leicaflex, with 50mm auto-aperture Summicron-R f/2 lens, reversible lens hood and Series VI Filter Retaining Ring	549.00
LEICAFLEX LENSES		
11,803	21mm Super Angulon-R f/3.4 lens for Leicaflex with lenshood	303.00
12,002	Optical Viewfinder for 21mm lens	54.00
11,101	35mm auto-aperture Elmarit-R f/2.8, complete with Series VI Filter Retaining Ring, reversible lens hood and lens cap	198.00
11,218	50mm auto-aperture Summicron-R f/2, complete with Series VI Filter Retaining Ring, reversible lens hood and lens cap	165.00
11,229	90mm auto-aperture Elmarit-R f/2.8, complete with Series VII Filter Retaining Ring, built-in, collapsible lens hood and lens cap	228.00
11,111	135mm auto-aperture Elmarit-R f/2.8, complete with Series VII Filter Retaining Ring, built-in, collapsible lens hood and lens cap	264.00
LEICA LENS ADAPTER		
14,127	Lens Adapter with diaphragm simulator mechanism. Adapts Leica lenses for Visoflex II and III as well as Bellows II to Leicaflex. When used with Visoflex lenses, indicates aperture setting, which is then set on the diaphragm of the Visoflex lenses. Lenses which require Adapter #16,466 for use on Visoflex II or III will also require it for use with this Leicaflex lens adapter	36.00



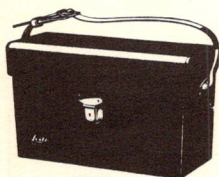
Leicaflex

ELPRO CLOSE-UP LENSES

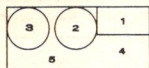
Leicaflex Lens	ELPRO	Catalog Number And Price	Distance Scale Setting	Approx. Distance Subject to film Subject to ELPRO in inches		Field covered (inches)	Reproduction ratio	Depth of Field (inches)		
				f/8	f/11			f/16		
50mm SUMMICRON-R f/2	Via	16,531 \$28.50	∞	19-11/16	16-1/16	7-1/4 x 10-7/8	1:7.7	1-3/8	1-7/8	2-3/4
			20"	12-1/8	8-1/4	3-5/8 x 5-7/16	1:3.8	25/64	9/16	25/32
	Vib	16,532 \$28.50	∞	11-7/8	8-3/16	3-11/16 x 5-9/16	1:3.9	13/32	9/16	13/16
			20"	9-1/2	5-9/16	2-7/16 x 3-11/16	1:2.6	3/16	9/32	3/8
90mm ELMARIT-R f/2.8	Vlla	16,533 \$36.00	∞	29-1/16	24-1/16	6-5/16 x 9-1/2	1:6.7	1-1/16	1-1/2	2-1/8
			28"	17-7/16	11-13/16	2-7/8 x 4-5/16	1:3.0	17/64	3/8	17/32
135mm ELMARIT-R f/2.8	Vllb	16,534 \$36.00	∞	59	53-1/4	9-5/16 x 14	1:9.9	2-1/4	3-1/8	4-1/2
			5'	33-1/2	27-3/16	4-1/4 x 6-3/8	1:4.5	17/32	23/32	1-1/16
	Vlla	16,533 \$36.00	∞	29-13/16	24-1/16	4-1/4 x 6-3/8	1:4.5	17/32	23/32	1-1/16
			5'	23-1/8	16-13/16	2-5/8 x 3-15/16	1:2.8	7/32	5/16	7/16

Focusing data are given for ∞ and the shortest engraved distance setting of the Leicaflex lenses. Since the lenses can slightly exceed these engraved settings, somewhat higher reproduction ratios can be obtained than are shown in this table. All figures are approximate, having been rounded off for convenience.

LEICAFLEX ACCESSORIES



14,809



25646-12

Catalog Number	Item	Retail Price
14,555	Eveready Carrying Case , brown leather, for Leicaflex with 35mm or 50mm lens attached and lens hood reversed	\$28.50
14,809	Universal Carrying Case III , with Insert III and coupling ring #98204 for Leicaflex equipment, accommodating the following: 1 - a 90mm lens, coupled with a 35mm or a 50mm lens with lenshood and lens cap, 2 - a 135mm lens, coupled with a 50mm or 35mm lens with lenshood and lens cap, 3 - a Leicaflex with a 35mm or 50mm lens attached, with lenshood and lens cap, 4 - four Elpro close-up lenses, each in its leather case, 5 - other accessories	70.50
98,204	Coupling Ring holds 2 Leicaflex lenses back to back for storage in carrying case	2.25
14,815	Universal Carrying Case III without insert	48.00
14,819	Insert III for Universal Carrying Case III. Holds equipment described in Cat. #14,809 above	22.50
14,822	Combination Case for the Leicaflex and 35, 50 and 90 or 35, 50 and 135mm lenses	39.60
14,094	Shoulder Grip for strap of Eveready case. Will fit carrying straps up to 1/2 inch wide .....	.90
98,094	Shoulder Grip for strap of Universal Case .....	.90
LENS CASES		
14,616	Plastic Case for 35mm Elmarit-R f/2.8 or 50mm Summicron-R f/2 lens	2.40
14,618	Plastic Case for 90mm Elmarit-R f/2.8 lens	3.30
14,619	Plastic Case for 135mm Elmarit-R f/2.8 lens	3.30
COPYING STAND		
16,707	Copying Stand , baseboard 18x19 3/4", upright 31 3/4" high with parallel guide, carrying arm with coarse and fine adjustment, accepting all Leica cameras with Visoflex II (with or without Bellows Device II), Leica "M" cameras with Visoflex III (with or without Bellows II), Leicaflex with or without Bellows	90.00

FILTERS SEE FILTER SECTION

BENSER CASES

LEICAFLEX INSERTS

INSERTS	TOP COMPARTMENT	BOTTOM COMPARTMENT
Lf 1	Leicaflex with carrying strap and one 35- or 50mm lens with lenshood attached.	None;
Lf 2	35- or 50mm lens with lenshood attached, or 90mm lens*	35-, 50- or 90mm lens**
Lf 3	Filter, filter panel FP Lf, cable release, dust brush and other small accessories.	None;
Lf 4	35-, 50-, 90- or 135mm lens; films in cardboard boxes, foil or cans can be stored below the lens.	None;
Lf 5	Films in cans, filter panel FP Lf*** or other accessories.	None;

* When the 90mm is in place, nothing can be stored above it in the lid of the carrying case.

** Insert 35- or 50mm lens with hood facing down.

***The filter panel FP Lf accepts up to 4 filters; it can be stored or carried in insert Lf 3 or Lf 5.

BENSER CASES

Catalog Number	Item	Retail Price
98,905	Model I* with Leicaflex inserts, set 1F, comprising the following: LF1, LF2, LF3, LF5	\$45.00
98,906	Model I* with Leicaflex inserts, set 2F, comprising the following: LF1, LF3, LF4, LF5	43.50
98,908	Model II* with Leicaflex inserts, set 3F, comprising the following: LF1, LF2, LF3, LF4, 2LF5'S	57.90

BENSER CASE SYSTEM COMPONENTS FOR THE LEICAFLEX

(Inserts are black, to distinguish from Leica inserts.)

98,901	Model I*, brown cowhide gadget bag with adjustable carrying strap but with no inserts	25.50
98,902	Model II*, brown cowhide gadget bag with adjustable carrying strap but with no inserts	31.50
98,961	Insert LF1	8.10
98,962	Insert LF2	5.10
98,963	Insert LF3	1.35
98,964	Insert LF4	3.75
98,965	Insert LF5	3.30
98,966	Filter Panel for Inserts LF3 and LF5	1.65

*These basic cases, Model I and Model II, are the same as listed for the Leica camera.

LEICAFLEX ACCESSORIES

MISCELLANEOUS LEICAFLEX ACCESSORIES

Catalog Number	Item	Retail Price
14,614	Plastic Filter Box for Series VII filters	\$.90
15,413	Connecting Cords, (40cm long) right-angled head, for Leicaflex (P.C connectors) and Braun Hobby or other flash units accepting standard "household" male plug ..	2.75
15,526	Synchro-Outlet Cover for Leicaflex flash outlets .....	.30
14,553	Leather Case for one Elpro lens	5.10
14,067	Cable Release (10 inches), with locking screw	1.95
14,092	Adjustable Neck Strap, leather	2.10
14,130	Adjustable Shoulder Strap, leather	9.60
14,118	Correction Lens for Leicaflex eyepiece. Corrects for near or far-sightedness. Prescription for eye to be used must be furnished with order	15.00

(Correction lenses are custom-made accessories and are available on special order only. Prescription for the eye used must be furnished when ordering. Delivery: 8-12 weeks.)

REPLACEMENT PARTS

14,160	Filter Retaining Ring, Series 6, for 35mm Elmarit-R f/2.8 lens and 50mm Summicron-R f/2 lens (as replacement)	2.40
14,161	Filter Retaining Ring, Series 7, for 90mm Elmarit-R f/2.8 and 135mm Elmarit-R f/2.8 lens (as replacement)	2.40
12,511	Lens Hood for 21mm R lens (as replacement)	10.50
12,564	Lens Hood, reversible, clamp-on type for 35mm Elmarit-R f/2.8 and 50mm Summicron-R f/2 lenses. Includes lens cap (as replacement)	10.50
14,163	Front Lens Cap for 35mm Elmarit-R f/2.8 and 50mm Summicron-R f/2 lenses. Fits over rim of reversed lens hood (as replacement)	1.20
14,089	Front Lens Cap for 90mm and 135mm Elmarit-R f/2.8 lenses. Fits over rim of built-in lens hood (as replacement)	1.50
14,128	Mallory PX-625 (with white ring) for Leicaflex exposure meter (as replacement) .....	.75
14,162	Rear Lens Cap for Leicaflex lenses	1.50
14,103	Lens Opening Cover, plastic, for Leicaflex. (As replacement)	1.65

CARRYING CASES

Carrying cases not only protect, but organize your equipment for convenient use. There are available individual eveready cases for your camera, accessories and lenses, as well as fitted combination cases for complete photo outfits. Both the Leitz Universal Carrying Case and the Benser Carrying Case System will accommodate a wide variety of Leica equipment.

LEITZ CAMERA CASES

Catalog Number	Item	Retail Price
14,526	Eveready Case for Leica M 3 or M 2 with 35mm lenses requiring Optical Viewing Unit or 50mm Dual-Range Summicron, each with Optical Viewing Unit attached. Also takes camera with 90mm Tele-Elmarit	\$ 21.60
14,528	Eveready Case for Leica "M" models with lenses through 50mm (except those with Optical Viewing Unit attached) and collapsible 90mm lens and Leica Meter "MR"	20.40
14,531	Eveready Case for Leica M 2 or M 1 fitted with Leica-vit Rapid Winder	21.60
14,094	Shoulder Grip for strap of Eveready case. Will fit carrying straps up to 1/2 inch wide .....	.90



14,526



14,528



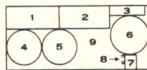
14,820

LEITZ COMBINATION CASES

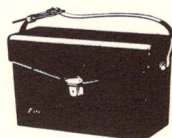
14,820	Combination Case , for Leica M 2 or M 3 and 35, 50 and 90mm or 35, 50 and 135mm lenses. Lens coupling ring # 98205 included	39.00
98,205	Lens Coupling Ring , holds two bayonet-mounted Leica lenses back to back for storage in carrying case	1.95
14,807	Universal Carrying Case III with Insert I, for 2 Leica cameras and accessories as follows: 1 - Leica M body 2 - Leica M with Leicameter and 35mm lens, or 50mm lens, or 90mm Tele-Elmarit, lens hood, lens caps 3 - three filter boxes #14,612 4 - 135mm f/4 lens with lens hood & lens cap 5 - 21mm or 28mm lens with lens hood & lens cap 6 - 90mm f/2 lens or 135 mmf/2.8 lens coupled with one 35 mm lens with lens cap but without lens hood or with one 90mm f/4 or 90mm f/2.8 lens coupled with one 35mm or 50mm lens with lens hood and lens cap 7 - Optical viewing unit for 50mm f/2 lens 8 - Viewfinder for 21mm or 28mm lens 9 - other accessories (see sketch)	70.50
14,808	Universal Carrying Case III with Insert II, accommodating the following: 1 - Leica M with Visoflex II or III with magnifier and universal focusing mount = 16,464 or = 16,467, or adapter = 16,466 2 - universal focusing mounts = 16,464 or = 16,467 or adapter = 16,466 3 - Leicameter 4 - 90mm f/2 lens or 65mm f/3.5 lens with lens caps 5 - 135mm f/4 lens or 90mm f/4 lens or 90mm f/2.8 lens with lens hoods and lens caps 6 - 200mm or 280mm lens with lens caps 7 - one each adapter = 16,471 and = 16,472 8 - other accessories (see sketch)	70.50



14,807



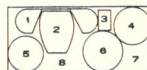
14,807



14,808

COMPONENT PARTS LEITZ COMBINATION CASES



14,815	Universal Carrying Case III , without insert	48.00
14,817	Insert I for Universal Carrying Case III	22.50
14,818	Insert II for Universal Carrying Case III	22.50
98,094	Shoulder Grip for strap of Universal Case .....	.90



14,808

LENS CASES

LENS CASES

Catalog Number	Item	Retail Price
14,561	 <p>Lens Case #I, leather, with snap-over fastener, fittings for strap of Eveready case or camera carrying strap, without neck strap, with bayonet lock for any one of the following bayonet mounting lenses with its lens hood: 28mm Summaron f/5.6 with bayonet adapter 35mm Summilux f/1.4 for M 2 35mm Summicron f/2 for M 2 or M 1 35mm Summaron f/2.8 for M 2 or M 1 35mm Summaron f/3.5 for M 2 or M 1 50mm Summilux f/1.4 50mm Summicron f/2 50mm Elmar f/2.8 50mm Elmar f/3.5 90mm Elmar f/4, collapsible</p>	\$ 10.80
14,564	 <p>Lens Case #IV, leather, with snap-over fastener, neck strap, locking device in lid of case and loop for viewfinder of Dual-Range 50mm Summicron f/2. Accepting any one of the following lenses with lens hood attached: 35mm Summilux f/1.4 with optical attachment 35mm "RF" Summicron f/2 with optical attachment 35mm "RF" Summaron f/2.8 with optical attachment 35mm "RF" Summaron f/3.5 with optical attachment 50mm Summicron Dual-Range f/2 with optical attachment</p>	14.40
14,627	Leather Case for Optical Viewing Unit of Dual-Range 50mm Summicron	4.80
14,587	Leather Case for 400mm Telyt lens, Visoflex I, II or III housing and Leica camera with double cable release and two filters	90.00
14,603	Plastic Case for bayonet-mounting 21mm Super Angulon lenses	3.00
14,595	Plastic Case for bayonet-mounting 35mm Summaron lenses without "RF" viewing unit	2.40
14,601	Plastic Case for bayonet-mounting 50mm Elmar, Summicron or Summarit lens	2.40
14,606	Plastic Case for bayonet-mounting 90mm Elmar collapsible or Tele-Elmarit lens	2.40
14,607	Plastic Case for bayonet-mounting 90mm Elmar or Elmarit rigid lens	3.30
14,611	Plastic Case for bayonet-mounting 135mm Hektor, Elmar or Tele-Elmar lens	3.30

Plastic Cases

ACCESSORY CASES

FILTER CASES

<i>Catalog Number</i>	<i>Item</i>	<i>Retail Price</i>
14,612	Plastic Filter Box with slide-in groove for filter sizes E 39, E 41, E 43 and Series VI .....	.90

FINDER CASES

14,617	Leather Case for 21mm or 28mm Optical Bright-Line viewfinder	2.40
14,630	Leather Case for 85mm, 90mm or 135mm Optical Bright-Line viewfinder	2.40
14,635	Leather Case for Universal Frame Finder	2.40

BENSER CARRYING CASES

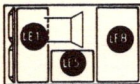
Benser Case Outfits For Leica Equipment

Below are some suggested insert combinations for specific Leica outfits. Each insert will also carry Leica equipment other than that specifically listed. Inserts LE 1 and LE 1a, for instance, will accept any Leica body — not only "M" models. And, of course, it is also possible to make hundreds of "floor plans" besides those listed here.

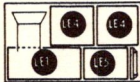
The basic cases also accept Benser inserts for Leicaflex equipment. See SLR Accessory Section of catalog.

OUTSIDE DIMENSIONS: 4 7/16" D x 7 3/4" L x 7" H

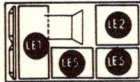
(MODEL I) — Case only: #98,901



Set 1 — #98,911 \$40.65
M 3 with meter, plus
35, 50 and 90mm
4 films, 6 filters
(lens in camera)



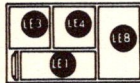
Set 2 — #98,912 \$41.10
M 3 with meter, plus
50, 90 and 135mm
4 films, 3 filters
(lens in camera)



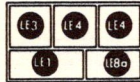
Set 3 — #98,913 \$42.45
M 2 with meter, plus
35, 50 and 90mm
8 films, 6 filters
(lens in camera)



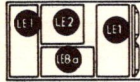
Set 4 — #98,914 \$47.85
M 2 without
Leica-Meter,
plus 35, 50 and 90 mm
special exposure
meter
6 films, 9 filters



Set 5 — #98,915 \$45.30
M 3 with meter, plus
35, 50, 90 and 135 mm
(or 21, 35, 50 and
90 mm)
2 films, 3 filters



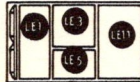
Set 6 — #98,916 \$47.10
M 3 with meter, plus
35, 50, 90 and 135 mm
4 films,
4 filters in lid



Set 7 — #98,917 \$43.35
2 M 3s with meter,
plus 35, 50 and 90 mm
(collapsible),
2 films, 6 filters



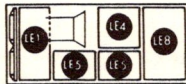
Set 8 — #98,918 \$46.20
2 M 2s without
exposure meter, plus
21, 35, 50 and 90 mm
2 films
or M 2 and M 3
with 21, 35, 50, 90
(collapsible)
and 135 mm,
3 filters



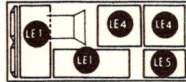
Set 9 — #98,919 \$44.25
M 2/3 with meter,
plus Visoflex II and
50 mm,
90 and 135 mm
Lens units and rings,
4 films, 6 filters

OUTSIDE DIMENSIONS: 4 7/16" D x 10 3/16" L x 7" H

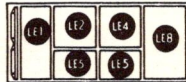
(MODEL II) — Case only: #98,902



Set 1 — #98,921 \$53.85
M 3 with meter, plus
21, 35, 50 and 90 mm
(or 35, 50, 90 and
135 mm)
8 films, 6 filters
(lens in camera)



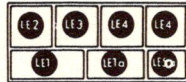
Set 2 — #98,922 \$50.25
2 M 3s with meter,
plus 50, 90 and 135 mm
4 films, 5 filters
(lens in camera)



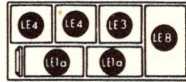
Set 3 — #98,923 \$58.65
M 3 with meter, plus
35, 50, 90 and 135 mm
with provision for
an additional
21 mm,
8 films, 6 filters



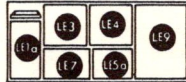
Set 4 — #98,924 \$58.20
Two "M" Leica
bodies — one with and
one without exposure
meter, plus 35, 50,
90 and 135 mm
8-9 films, 3 filters



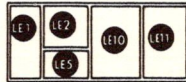
Set 5 — #98,925 \$59.10
Two "M" Leica
bodies — one with and
one without Leica-
Meter, plus 21, 35, 50,
90 and 135 mm
4 films,
4 filters, in lid



Set 6 — #98,926 \$57.60
2 M 3s without
Leica-Meter, plus
21, 35, 50, 90 and
135 mm, with
2 films, 3 filters



Set 7 — #98,927 \$57.60
1 M 2 without
Leica-Meter, special
exposure meter, with
35, 50, 90 mm Sum-
micron, 135 mm
(special viewfinder),
5 films, 3 filters



Set 8 — #98,928 \$56.25
For Visoflex II
equipment: Leica
with 50 or 65 mm,
90, 135 mm lens units
and 200 mm, with
space for the
necessary inter-
mediate rings and
focusing mounts

† For carrying the 21mm Super Angulon complete with its special view finder, we recommend that you add drawer A.

BENSER CASES

The Insert System And Its Function

Footnotes

- 1 except the super-speed lenses (such as the 50mm Summilux f/1.4 with hood) which are always housed in the top compartment.
- * generally chosen in place of LE 6, if exposure meters other than the Leica Meter are used. The larger dimensions of this insert are compensated for by combining it with the film insert LE 5a instead of LE 5.
- ** Takes up the entire width of the bag. Generally chosen instead of LE 2 + LE 6.
- x Takes up the entire width of the bag. Generally chosen instead of LE 4 + LE 5. The dimensions of this insert are larger, taking up the space occupied by the large filter panel (FP 6). Instead, use the square filter panel in the lid of the bag.
- xx For combination with the Visoflex II attachment only.
- z For carrying the 21mm Super Angulon complete with its special viewfinder, we recommend the addition of drawer A.

Inserts	Top compartment	Bottom compartment
LE 1	Any Leica body with Leica Meter or Leicovit attached.	None. (The front of the insert is cut out, accommodating, if required, the camera with the lens in position.)
LE 1 a	As above, but without Leica Meter or Leicovit.	None.
LE 2	One 21mm (with reversed hood) or one 28 or 35mm lens with hood in position; or one 50mm lens with reversed hood. (For 35mm lens for M 3, see inserts LE 8 and LE 8a.)	90mm Elmarit or 90mm Elmar with reversed lens hood; all shorter focal lengths (see footnote 1) with lens hoods in position. 65mm Elmar with rings #16,464 and #16,471. Accepts Drawer A or B.
LE 3	Any 35 - 50mm lens with hood in position (for 35mm lens for the Leica M 3 see inserts LE 8 and LE 8a). 90mm Elmar (collapsible) with lens hood reversed; 65mm Elmar with rings #16,464 and #16,471 for the Visoflex II.	Any 35 - 50mm lens (see footnote 1) with hood in position. 90mm Elmar (collapsible) with reversed hood. 135mm lens in short mount for Visoflex or: 35mm films.
LE 4	90mm Elmar or Elmarit with hood in position. 135mm lenses except Elmarit with hood reversed. (Two 35mm films without cans or boxes will also fit under the 90mm lenses.)	None.
LE 5	Chute for 4 35mm films in cardboard boxes or: Leica film cassettes in metal cans.	None.
LE 5 a	Chute for 4 35mm films in standard metal cans or foil.	None. (In certain combinations, the shorter dimensions of this insert permit you to use other inserts which are larger than standard.)
LE 6	For accessories such as the Leica Meter, Optical Viewing Unit for the Dual-Range Summicron, and small dust brush (use this insert if the Leica Meter is often stored off the camera).	Center compartment - for special viewfinders such as the Imareset Universal Viewfinder. or: - a 35mm film in cardboard box. Bottom compartment - for Leica Meter booster cell.
LE 7 *	For various makes of exposure meter, e.g. Sixtomat 3, Bewi, Weston Master, etc.	For special viewfinders, such as Imareset Universal Viewfinder; or: - a 35mm film in cardboard box.
LE 8 **	Especially for 35mm "RF" lenses for M 3, with Optical Viewing Unit and with hood #12,571 in position; also has space for Leica Meter and Optical Viewing Unit for the Dual-Range 50mm Summicron plus small dust brush.	90mm Elmar or Elmarit (horizontal) with reversed hood. or: - for Drawer A or B for the storage of various items.
LE 8 a	35mm "RF" lens with Optical Viewing Unit for the Leica M 3, but without hood, or: - Lunasix or other large types of exposure meter.	For similar exposure meters such as the Sixtomat 3, Bewi, Weston Master (horizontal). or: - 2 35mm films.
LE 9 x	Special insert for 90mm Summicron f/2 with hood or Visoflex I with 5x magnifier (Double cable release fits into side compartment).	None. (side compartment accommodates special panel for 4 filters). or: - 5 35mm films without metal cans.
LE 10 xx	200mm Telyt with Adapter #16,466 attached, (i. e. instantly ready for use with the Visoflex II); or 125mm Hektor with attached hood, Adapter and Visoflex.	None. (side compartment accommodates special panel for 4 Telyt filters).
LE 11 xx	Visoflex II housing and viewfinder magnifier, angled or vertical (the release lever must be in the forward position).	90mm or 135mm lenses in short mount with hoods in position. or: - for Drawer A or B for the storage of various items.
LE 12	Accepts the 280mm Telyt in its large top to bottom compartment. Two filters in the top side compartment, the OUBIO adapter in the bottom side compartment.	
LE 13	135mm Elmarit with viewfinder attachment.	None.
LE 14	Visoflex III with magnifier.	None. Side compartment accepts 90mm Elmar or Elmarit or 135mm Elmar or Tele-Elmar lens unit.

BENSER CASE SYSTEM COMPONENTS FOR THE LEICA

(See Page 27 For Combination Outfit Prices)

<i>Catalog Number</i>	<i>Item</i>	<i>Retail Price</i>
98,901	Model I, brown cowhide gadget bag with adjustable carrying strap but with no inserts	\$25.50
98,902	Model II, brown cowhide gadget bag with adjustable carrying strap but with no inserts	31.50
98,930	Insert LE 1	3.00
98,931	Insert LE 1a	2.85
98,932	Insert LE 2	4.80
98,933	Insert LE 3	4.80
98,934	Insert LE 4	3.60
98,935	Insert LE 5	3.60
98,936	Insert LE 5a	3.45
98,937	Insert LE 6	5.40
98,938	Insert LE 7	3.90
98,939	Insert LE 8	6.60
98,940	Insert LE 8a	5.10
98,941	Insert LE 9	5.70*
98,942	Insert LE 10	6.30*
98,943	Insert LE 11	5.40
98,951	Insert LE 12	8.10*
98,953	Insert LE 13	5.40
98,954	Insert LE 14	6.30
98,944	Drawer LE A	2.40
98,945	Drawer LE B	1.50
98,946	Six Filter Panel	1.95
98,947	Four Filter Panel	1.50
98,948	Narrow Three/Six Filter Panel	1.80
98,949	Filter Panel For Insert LE 9	1.65
98,950	Filter Panel For Insert LE 10	1.65
98,952	Filter Panel For Insert LE 12	1.65

*Price does not include special filter panel

EXPOSURE METERS

One of the most important secrets of successful photography is correct exposure. And the best way to guarantee proper exposure is to use a photo-electric exposure meter.

Great accuracy and convenience are provided by the Leica-Meter MR, which couples to the shutter speed dial of Leica "M" models. It sets the correct shutter speed automatically as you line up the exposure dial for a preselected f/stop. The Leica-Meter MR features a cadmium sulphide photo resistor with extreme sensitivity and has an angle of view which matches that of a 90mm lens. Thus, you can see exactly which part of the scene the meter is "reading" by looking through the 90mm bright-line frame of the Leica viewfinder.

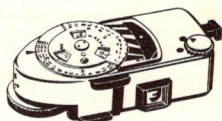
The Metrastar CdS meter, made by Metrawatt of Nuernberg, W. Germany who also make the Leica-

Meters, is an ultrasensitive, hand-held meter. It features a narrow (18°) measuring angle and a built-in reflex viewfinder to insure maximum accuracy in aiming the meter and reading the most important subject areas. Its extreme sensitivity range handles exposures at light levels ranging from moonlight to sunlight on the beach, by either the reflected or incident light method. A direct-reading dial provides fast, one-hand operation.

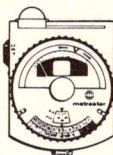
The Leica-Meter 3 is a small and handy selenium-cell meter which can be slipped into the accessory shoe of any Leica (and most other cameras) but which does not couple to the shutter dial. It can also be carried and used off the camera, and comes with a carrying chain and retainer plate for off-camera use. An accessory booster cell can be used to increase the meter's sensitivity for low-light use.

LIGHT METERS

Catalog Number	Item	Retail Price
14,210	Leica Meter MR, battery operated with CdS cell and self-locking indicator needle. Has 27° angle of acceptance. Couples to speed dial of Leica "M" models. Complete with Mallory PX 625 "button" battery	\$ 48.00
14,217	Leica Meter MR-4 same as =14,210 but couples to all M models including M4	48.00
14,250	Metrastar CdS Meter. Ultrasensitive, handheld exposure meter with extremely wide measuring range. Has selective 18° acceptance angle and matching built-in viewfinder for accurate aiming and reading. Battery operated, one-hand operation. Complete with brown leather eveready carrying case, 43" flexible metal carrying chain and Mallory PX 625 button battery	51.00
14,231	Leica Meter 3 with booster cell, incident light attachments, retainer plate, carrying chain. Eveready case for meter and case for booster cell	25.50
14,230	Leica Meter 3 without booster cell, but with incident light attachment, retainer plate, carrying chain and Eveready case	19.50



14,210



14,250

REPLACEMENT AND ACCESSORY PARTS

14,213	Case for exposure meter MR-4	4.80
14,215	Case for exposure meter MR	4.80
14,232	Booster Cell for Leica Meter 3 (or 2) with leather case	7.50
14,128	Mallory PX625 battery (with white ring) for MR and Metrastar exposure meters (as replacement) .....	.75
14,233	Incident Light Attachment for Leica Meter 2 and 3 ....	.75
14,234	Incident Light Attachment for booster cell of Leica Meter 3 .....	.90
14,235	Retaining Plate and carrying chain for Leica Meter 3 .....	.75
14,239	Eveready Case for Leica Meter 3	1.80
14,238	Case for Leica Meter 3 and Leica Meter "MC" booster cell .....	.90
14,012	Shoe for mounting Leica Meters (except models "M", "MC" and "MR") on cameras of larger size	1.65

A filter, properly used, is a creative optical tool which can lift your pictures out of the ordinary and infuse them with drama. But, like a quality lens, a filter must be precisely made — from finest optical glass, carefully ground and polished. Most important of all, it must be thin, with plane-parallel surfaces to avoid disturbing the high correction of the camera lens. A cheap, poorly made filter can cancel out the skills of

even the finest lensmakers.

Leitz filters for black-and-white photography are made from solid optical glass and ground thin (average: .066") to produce maximum sharpness. Polarizing and color-photography filters are laminated. This must be done to achieve the precise transmission characteristics necessary for color work.

BLACK-AND-WHITE FILTERS

Generally speaking, filters for black-and-white photography are used to control contrast and the rendition of colors as tones of gray in the final print. Scene colors complementary to that of the filter are rendered dark on the final print. Colors similar to that of the filter become a lighter gray than they would otherwise be. Thus, a yellow filter renders blue skies as a darker gray than they would be in a photo made without the filter. Orange and red filters act like the yellow filters but with increased effect, the red producing nearly black skies in a print.

A special filter like the infra-red is too dark for

use with ordinary film and are used only with films sensitive to infra-red. The UVa filter is used to reduce the effect of ultra-violet. All film is sensitive to these short wavelengths of light; without a filter, pictures made of distant scenes, or at high altitudes, lose contrast, because of scattered ultra-violet light. Other filters also absorb ultra-violet, but the UVa is colorless and needs no extra exposure.

The blue filter is used principally for copying to darken yellowed, faded writing or photographic images and thus to restore contrast. It has little use in general photography.

COLOR FILTERS

Filters for color photography are of two general types: correction filters and conversion filters. The former are used to correct excess reddishness or bluishness when the light source is other than that for which the film is balanced. For instance, a picture made by the light of a clear flash bulb on Type "A" Kodachrome (which is balanced for photoflood lamps) would require a Leitz "Flash" filter to correct the relatively bluish flashlight to the response of the Type "A" film.

Conversion filters "convert" the light for use with film normally intended for use under different lighting conditions. An example of this would be the use of the Leitz Type "A" filter

when Type "A" film is used outdoors in daylight. Leitz filters for color photography are:

Conversion:

TYPE "A": Used with Kodachrome Professional Type "A" film for photography outdoors in daylight.

PHOTOFLOOD: Used with daylight type films when the light source is photoflood bulbs.

Correction:

FLASH: Used when Type "A" film is exposed by clear flash bulbs.

SKYLIGHT or UVa: Used with daylight color films to absorb excessive blue found at high altitudes, at the shore and in open shade.

POLARIZING FILTERS

Polarizing filters can be used for either color or black-and-white photography, since they are neutral in color.

With a polarizing filter, you can minimize or

even eliminate reflections from the surfaces of water, show windows, furniture, etc. This type of filter is the only one which will darken the blue sky in color photographs without altering the color or tone in the rest of the scene.

		A-36**		E-39**		E-41**		S-43**		E-48**		E-58**		E-85**	
FILTERS FOR LEICA LENSES	FILTER FACTORS	28mm Summaron 28mm Hektor 35mm Elmar f/3.5 35mm Summaron† 50mm Elmar† 50mm Hektor 50mm Summar 90mm Elmar† 135mm Hektor†		21mm Super Angulon f/4 35mm Summicron 35mm Summaron‡ 50mm Elmar† 50mm Summicron 90mm Elmar† 90mm Elmarit 90mm Tele-Elmarit 135mm Hektor†		35mm Summilux* 50mm Summarit 65mm Elmar		50mm Summilux		21mm Super Angulon f/3.4† 90mm Summicron 90mm Thambar 200mm Telyt f/4.5		85mm Summarex 125mm Hektor 200mm Telyt f/4 280mm Telyt		400mm Telyt	
		MOUNTING METHODS		CLAMPING-SCREW		SCREW-IN		SCREW-IN		SCREW-IN		SCREW-IN		SCREW-IN	
Yellow O (light)	1.5	13,000	\$ 7.50	13,081	\$ 7.80	13,155	\$ 9.60			13,290	\$10.20	13,230	\$14.70	13,291	\$28.20
Yellow I (medium)	1.5 — 2			13,086	7.80	13,160	9.60	13,161	\$ 9.60	13,295	10.20	13,235	14.70	13,296	28.20
Yellow-Green (medium)	2 — 3	13,015	7.50	13,096	7.80	13,170	9.60	13,171	9.60	13,305	10.20	13,245	14.70	13,306	28.20
Blue (medium)	1.5	13,020	7.50	13,098	7.80	13,172	9.60	13,173	9.60	13,307	10.20				
Orange (medium dark)	3 — 5	13,025	7.50	13,101	7.80	13,175	9.60	13,176	9.60	13,310	10.20	13,250	14.70	13,311	28.20
Red (dark)	6 — 25			13,116	7.80	13,190	9.60	13,191	9.60	13,315	10.20	13,255	14.70	13,316	28.20
Infrared (dark)	6 — 100 ²	13,050	7.50	13,126	7.80	13,200	9.60	13,196	9.60	13,325	10.20	13,265	14.70	13,326	28.20
UVa Absorption (colorless)	1.2	13,055	7.50	13,131	7.80	13,205	9.60	13,206	9.60	13,330	10.20	13,270	14.70	13,331	28.20
Photoflood		13,065	9.00	13,141	9.00										
Type "A"		13,060	9.00	13,136	9.00	13,215	10.20	13,218	10.20	13,335	12.30	13,275	17.70		
Flash		13,070	9.00	13,146	9.00	13,225	10.20	13,228	10.20	13,345	12.30	13,285	17.70		
Skylight		13,075	9.00	13,151	9.00	13,220	10.20	13,221	10.20	13,340	12.30	13,280	17.70		
Polarizing (engraved mount)	2.5 — 3					13,360	30.00								
Polarizing (swing-out mount)	2.5 — 3			13,352 [†]	33.00			13,351	33.00						

*With serial number below 2166701

† Cannot be used with 28mm or 21mm lenses, with or without adapter. These filters mount with clamping screws.

†† With 36mm flange diameter. ‡ With 42mm flange diameter.

** Letters designate: A=Slip-on; E=Screw-in. Numbers show the outer flange diameter of lenses accepting slip-on filters, or the outer thread diameter of screw-in filters.

1. For Panchromatic films; factors will vary with the light source and intended only as guides.

2. The amount of infrared light present in daylight varies continually. Several exposures of varying lengths should be made of each scene.

3. Lens hood also accepts Series 7 filters.

4. The 21mm Super-Angulon f/3.4, 35mm Summilux f/1.4 with serial #2166701 and above and 135mm Elmarit f/2.8 lenses accept standard Series VII filters.

LEICAFLEX FILTERS

Catalog Number	Item	Retail Price
SERIES 6 FILTERS for 35- and 50mm lenses		
13,011	Orange (filter factor† 3-5)	\$ 9.60
13,012	UVa (filter factor† 1.2)	9.60
13,013	Yellow (filter factor† 2)	9.60
13,014	Yellow-Green (filter factor† 2-3)	9.60
13,358	Polarizing (filter factor† 2.5-3)	28.50

SERIES 7 FILTERS for 90- and 135mm lenses
(Will also fit 21mm Super Angulon f/3.4 and 135mm Elmarit f/2.8 lenses for Leica M Cameras.)

13,008	Orange (filter factor 3-5)	10.80
13,009	UVa (filter factor 1.2)	10.80
13,006	Yellow (filter factor 2)	10.80
13,007	Yellow-Green (filter factor 2-3)	10.80
13,359	Polarizing (filter factor 2.5-3)	30.00

†For Panchromatic films. Factor will vary with light source.

REPLACEMENT PARTS

14,160	Filter retaining ring for Leica, Leicaflex and Leicina lenses, accepting series 7 filters	2.40
14,161	Filter retaining ring for Leica, Leicaflex and Leicina lenses accepting series 8 filters	2.40

CLOSE-UP PHOTOGRAPHY

Close-up photography helps you to explore the world of the very small which is otherwise beyond the powers of the human eye.

We can divide close-up photographs into two groups: those taken with and without a microscope. Photography with the aid of a microscope (which in this application replaces the camera lens) is called photomicrography.

The normal minimum focus of most Leica lens mounts is 3½ feet or more, which limits their application to close-up work. However, much close-up photography can be done simply and conveniently with the 50mm Dual-Range Summicron lens, since it has a second, close-focusing range down to 19 inches, with focusing and framing done through the camera's range-viewfinder.

The Visoflex and the 65mm lens in the Universal Focusing Mount are an extremely simple and flexible combination for close-up work. Focusing and framing are done on the ground glass of the Visoflex and the focusing range is from infinity down to a 1:1 ratio of reproduction. Simple

extension tubes can extend the close-up range still further.

The Visoflex with the Bellows II, however, combines simplicity with extreme versatility. It offers continuously variable extra lens extension through a great focusing range, with ground-glass focusing and framing. A choice of adapter rings permits the use of most Leica lenses or lens units on the Bellows. Lenses from 65mm to 200mm (in proper adapters) will focus from infinity to the close-up range. Shorter focal lengths can be used with the bellows only in the close-up range.

Also available for the Visoflex are close-up adapters which are used with certain lens units directly on the reflex housing without the bellows.

Still other accessories for close-up and copying photography are available, providing various degrees of versatility. Some are used with the range-viewfinder system of the camera; others require groundglass focusing and framing. Still others provide fixed ratios of reproduction and areas of coverage and need not be focused visually at all.

VISOFLEX CLOSE-UP ACCESSORIES

The Visoflex is a prime tool for close-up photography with the Leica. Used with the Bellows, it is both convenient and versatile, not only for close-up photography, but, with most Leica lenses, for general photography as well.

The lens units of Leica lenses from 65mm to 200mm (except the 135mm Elmarit and 90mm Tele-Elmarit and Summicron) will focus in the Bellows from infinity down to ratios as large as 1.4:1, in the case of the 65mm lens.

For extreme close-ups within a limited range of focus, lenses of shorter focal length can also be adapted for use on the Bellows.

The Bellows is extremely rigid, and features backlash-free rack-and-pinion focusing. A second geared motion shifts Bellows and camera as a unit so that fine focusing can be done

without changing the image-or field-size on the negative.

An engraved data-scale shows reproduction ratios and corresponding exposure increases for the 90mm Elmarit or Elmar lens heads. A second scale shows the actual Bellows extension in millimeters.

An accessory bellows-type lens hood is available which attaches to the lens flange in the same way as an ordinary Leica lens hood.







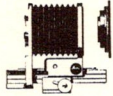






Also available for the Visoflex are a number of simple and inexpensive extension tubes which are used with certain Leica lenses to extend focusing into the realm of close-up photography. They do not require the use of the Bellows, and so, necessarily, do not offer as wide a focusing range as does the Bellows.

(The Visoflex is listed in a separate section of this catalog.)

VISOFLEX CLOSE-UP; BELLOWS II

VISOFLEX CLOSE-UP ADAPTERS AND

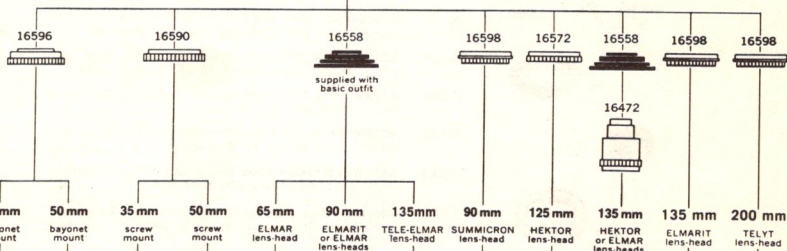
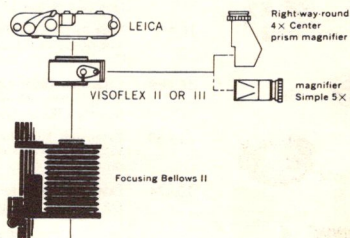
(The Visoflex is listed in a separate section)

Catalog Number	Item	Retail Price
16,464	 Universal Focusing Mount. Necessary with f/3.5 65mm lens on Visoflex II or III. Also adapts lens unit of 90mm Elmarit f/2.8 and 135mm Tele-Elmar f/4 to Visoflex II or III. With extension tube #16,472 it adapts lens unit of 135mm Hektor f/4.5 or f/4 Elmar to Visoflex II or III	\$ 39.00
16,471	 Extension Tube for lens unit of 90mm Elmarit f/2.8, 135mm Tele-Elmar f/4 and 65mm Elmar f/3.5 lens. Fits Universal Focusing Mount #16,464 and adapts these lenses for extreme close-up photography. With Adapter Tube #16,472 it can also be used with the lens unit of the 135mm Elmar	5.40
16,472	 Tube to thread into Bellows II , permitting use of the lens-heads of the 135mm Elmar or Hektor on Bellows II	5.40
16,469	 Extension Tube. Bayonets to front of Visoflex II or III; accepts bayonet-mounting Leica lenses (except short-mounted 90mm Summicron) for close-up photography	10.50
16,468	 Extension Tube for Short Focus Mount #16,467 (see Visoflex section) permitting focusing 90mm f/4 lens unit from 3'4" to 2'2"	2.85
16,474	 Extension Tube for short mounted 90mm Summicron f/2 lens for photography between 3'6" and 1'9"	5.40
FOCUSING BELLOWS II		
16,556	 Focusing Bellows II , with Adapter Ring for lens units of the 90mm Elmarit or Elmar and the 65mm Elmar	108.00
16,557	Bellows-type Lens Hood for Focusing Bellows II and Leica lenses with 42mm (E 39) front diameter	30.00
13,154	Adapter Ring for using bellows-type lens hood with Leica lenses having 36mm (A 36) front diameter	4.95
16,596	 Adapter Ring for fitting bayonet-mounting 35mm and 50mm Leica lenses to Bellows II	9.90
16,590	 Adapter Ring for fitting screw-mounting 35mm and 50mm Leica lenses to Bellows II	4.50
16,580	Special Extension Tube fitting 135 mm lens unit (except Tele-Elmar) to Adapter Ring #16,590	3.00
16,772	 Adapter fitting lens units of 50mm Dual-Range and rigid-mount Summicron lenses to Bellows. Used with Adapter Ring #16,590	3.30
16,558	 Adapter Ring for fitting lens-heads of the 135mm Tele-Elmar, 90mm Elmarit or Elmar, and the 65mm Elmar to Bellows II. (This ring is supplied with the basic outfit)	6.30
16,598	 Adapter Ring for fitting lens-heads of the 90mm Summicron, 135mm Elmarit f/2.8 and 200mm Telyt f/4 to Bellows II	5.10
16,572	 Adapter Ring for fitting lens-head of the 125mm Hektor to Bellows II	3.60

(The Visoflex and its lens mounts are described and listed in another section.)

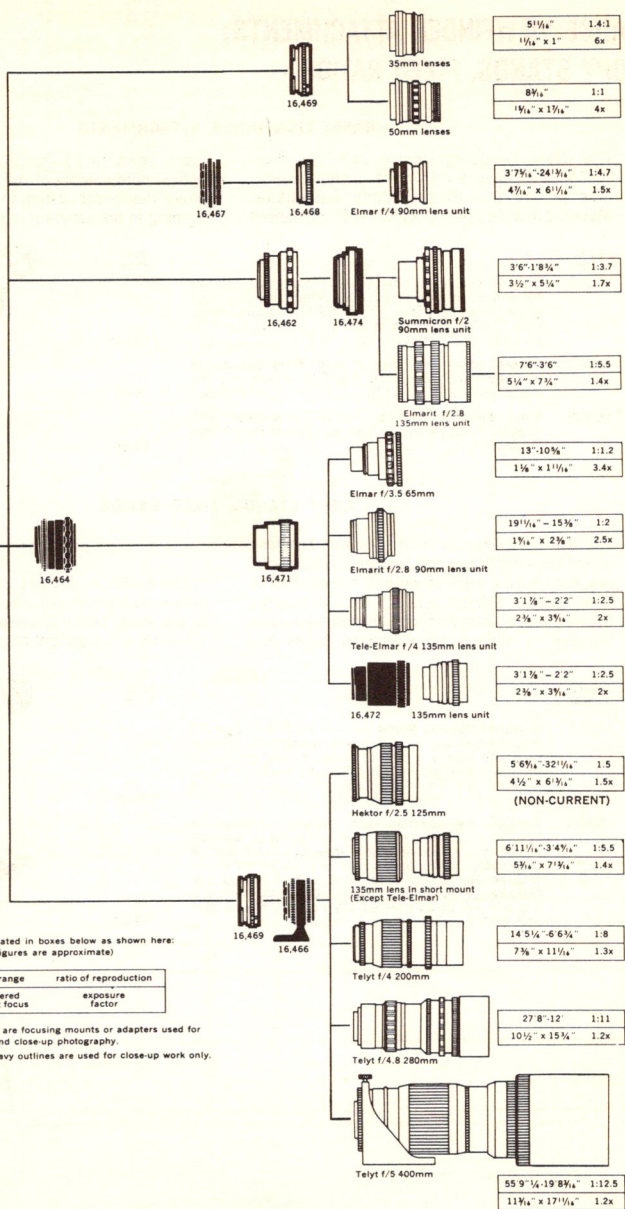
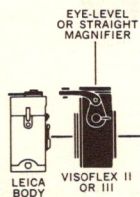
THE EXTREME VERSATILITY OF THE FOCUSING BELLOWS II

THIS CHART indicates the major combinations possible with this ultra-compact reproduction unit. Even greater image-magnifications than those indicated for the various lenses may, for example, be obtained by employing additional standard LEITZ extension-tubes. An ideal device for general copying and extreme close-up applications, the Focusing Bellows II provides both the precision required by technical and scientific workers and the simplicity of operation desired by the amateur.



	16596		16590		16558 <small>supplied with basic outfit.</small>			16598	16572	16558 <small>16472</small>	16598	16598
	35 mm	50 mm	35 mm	50 mm	65 mm	90 mm	135mm	90 mm	125 mm	135 mm	135 mm	200 mm
	bayonet mount	bayonet mount	screw mount	screw mount	ELMAR lens-head	ELMARIT or ELMAR lens-heads	TELE-ELMAR lens-head	SUMMICRON lens-head	HEKTOR lens-head	HEKTOR or ELMAR lens-heads	ELMARIT lens-head	TELYT lens-head
Reproduction Ratio (image: object)	from 2.1:1 to 4.8:1	from 1.4:1 to 3.2:1	from 1.7:1 to 4.4:1	from 1.1:1 to 3.0:1	from 0 to 1.4:1	from 0 to 1.0:1	from 0 to 1.0:1.4	from 1.0:20 to 1:1:1	from 0 to 1.0:1.7	from 0 to 1.0:1.4	from 1:1.7 to 1:1.25	from 0 to 1:3
Distance from subject to film	6.5" 9.5"	8.5" 11.5"	6.0" 9.0"	8.5" 11.0"	∞ 11.0"	∞ 14.5"	∞ 22"	78" 14"	∞ 20"	∞ 22"	102" 22.5"	∞ 42"
Field-size inches	0.5×0.7" 0.2×0.3"	0.7×1.1" 0.3×0.4"	0.6×0.8" 0.2×0.3"	0.9×1.3" 0.3×0.5"	∞ 0.7×1.1"	∞ 0.9×1.4"	∞ 1.4×2.0"	18.9×28.4" 0.9×1.3"	∞ 1.6×2.4"	∞ 1.4×2.0"	17×25.5" 1.25×1.8"	∞ 3.4.5"

The above figures have been rounded off for simplicity and are offered only for purposes of comparison.



Data are indicated in boxes below as shown here:
(figures are approximate)

focusing range	ratio of reproduction
area covered at shortest focus	exposure factor

Shown in solid black are focusing mounts or adapters used for both normal range and close-up photography.
Components with heavy outlines are used for close-up work only.

$5\frac{1}{16}''$	1.4:1
$\frac{1}{16}'' \times 1''$	6x
8 $\frac{1}{16}''$	1:1
$1\frac{1}{16}'' \times 1\frac{1}{16}''$	4x
$3\frac{7}{16}'' - 2\frac{1}{16}''$	1:4.7
$4\frac{1}{16}'' \times 6\frac{1}{16}''$	1.5x
$3\frac{6}{16}'' - 1\frac{8}{16}''$	1:3.7
$3\frac{1}{2}'' \times 5\frac{1}{16}''$	1.7x
$7\frac{6}{16}'' - 3\frac{6}{16}''$	1:5.5
$5\frac{1}{16}'' \times 7\frac{1}{16}''$	1.4x
$13'' - 10\frac{3}{4}''$	1:1.2
$1\frac{1}{2}'' \times 1\frac{1}{16}''$	3.4x
$19\frac{1}{16}'' - 15\frac{1}{16}''$	1:2
$1\frac{1}{16}'' \times 2\frac{1}{16}''$	2.5x
$3\frac{1}{16}'' - 2''$	1:2.5
$2\frac{1}{16}'' \times 3\frac{1}{16}''$	2x
$3\frac{1}{16}'' - 2''$	1:2.5
$2\frac{1}{16}'' \times 3\frac{1}{16}''$	2x
$5\frac{6}{16}'' - 32\frac{1}{16}''$	1:5
$4\frac{1}{2}'' \times 6\frac{1}{16}''$	1.5x
(NON-CURRENT)	
$6\frac{11}{16}'' - 3\frac{4}{16}''$	1:5.5
$5\frac{1}{16}'' \times 7\frac{1}{16}''$	1.4x
$14\frac{5}{16}'' - 6\frac{6}{16}''$	1:8
$7\frac{1}{16}'' \times 11\frac{1}{16}''$	1.3x
$27\frac{8}{16}'' - 12''$	1:11
$10\frac{1}{2}'' \times 15\frac{1}{16}''$	1.2x
$55\frac{9}{16}'' - 19\frac{8}{16}''$	1:12.5
$11\frac{1}{16}'' \times 17\frac{1}{16}''$	1.2x

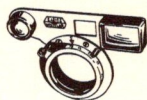
RANGE-VIEWFINDER ATTACHMENTS; COPY STANDS, FIXED RATIOS

RANGE-VIEWFINDER ATTACHMENTS

The Close-Focusing Device provides most 50mm Leica lenses with the focusing capabilities of the Dual-Range 50mm Summicron. Mounted in it, Summicron or Elmar 50mm lenses

focus down to 19 inches. At the same time, optical components of the accessory adapt the range-viewfinder system to permit focusing and framing in the close-up range.

Catalog Number	Item	Retail Price
16,507	Close Focusing Device , bayonet-mounting; accepts bayonet-mounting collapsible 50mm lenses, and screw-mounting 50mm Elmar 1/2.8. Focusing range from 2' 10.5" to 19" with ratios of reproduction from 1:15 (14" x 21") to 1:7.5 (7" x 10.5")	\$48.00
16,508	Adapter fitting lens unit of rigid-mount Summicron to Close Focusing Device #16,507 or Auxiliary Reproduction Unit #16,526	3.60
16,509	Close Focusing Device #16,507, complete with Adapter #16,508 for use with lens unit of rigid 50mm Summicron	51.60



16,507



16,508

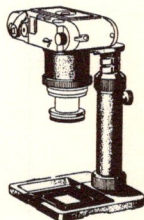
COPY STANDS, FIXED RATIOS

The Auxiliary Reproduction Unit and the Universal Copying Stand are designed to do photographic copying work at various, fixed ratios of reproduction. Subject area is clearly delineated by each of the units and focus is determined by the use of appropriate extension tubes and

camera-height positions.

These close-up devices can also be used to photograph small objects, either in the studio or the field. Easily disassembled, they fit conveniently into a gadget bag for travel.

Catalog Number	Item	Retail Price
16,511	Universal Copying Stand for 1:1, 1:1.5, 1:2, and 1:3 ratios. Adjustable in height with bracket for camera. Complete with 4 extension tubes, 3 field masks, 5X magnifier with ground glass housing to check focus. Accepts any bayonet-mounting or screw-mounting Leica and any 50mm Leica lens	\$78.00
16,526	Auxiliary Reproduction Unit , bayonet-mounting, for bayonet-mounting Leica cameras. Accepts bayonet-mounting collapsible 50mm lenses, screw-mounting collapsible 50mm Summicron and Elmar 1/2.8 and with adapter #16,508 the lens unit of the rigid or Dual-Range Summicron. Ratios of reproduction 1:4, 1:6 and 1:9 areas covered 4 1/4" x 5 3/4", 5 3/4" x 8 1/4" and 8 1/4" x 11 3/4"	58.50



16,511



16,526

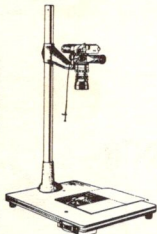
COPY STANDS, VARIABLE RATIOS

Ordinary close-up work can be done from a regular or a table top tripod. But copying work, either in quantity, or when exact ratios and areas of reproduction are involved, is best done from a copying stand.

A copy stand includes a sturdy base, an upright and a movable carrying arm which holds the camera exactly parallel to the baseboard. Variable ratios of reproduction are achieved by raising or lowering the camera on the upright.

Accessory carrying arms can be added to certain Leitz enlargers (after removing the enlarger head) to make excellent copy stands. Or, such copying stands may be purchased complete and used for enlarging later by adding an enlarger head.

For those who do a great deal of copy work, a special instrument is recommended — the Re-provit IIa.



**Focomat 1c
Copying Stand**
(Including Carrying Arm)

FOCOMAT 1c COPYING STAND

Catalog Number	Item	Retail Price
17,619	Focomat 1c Copying Stand , standard, baseboard 16 x 21" and upright, 40mm diameter, 32" high does not include carrying arm 17,624	\$78.00
17,624	Carrying Arm for upright or Focomat 1c; converts enlarger to copying stand; supplied with angular alignment adapter; accepts Visoflex III or II (with adapter), Bellows II or I (without adapter), Rack and Pinion Fine Adjustment for Focoslide or Bellows (with adapter), or Focoslide (with adapter)	22.50

LEICA-LEICAFLEX COPYING STAND

16,707	Copying Stand , baseboard 18x19 $\frac{3}{4}$ ", upright 31 $\frac{3}{4}$ " high with parallel guide, carrying arm with coarse and fine adjustment, accepting all Leica cameras with Visoflex II (with or without Bellows Device II), Leica "M" cameras with Visoflex III (with or without Bellows II), Leicaflex with or without Bellows	\$90.00
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REPROVIT IIa

The Reprovit IIa is a universal copying tool, suitable for very nearly any kind of photographic reproduction work in quantity. Yet, despite its remarkable adaptability, sophistication and precision, it is so simple to use that even beginners produce high-quality work quickly and accurately with it.

The Reprovit IIa features:

- Continuous focusing range providing ratios of from 1:19 (18" x 27") to 1:1 (1" x 1½")
- Electrically-controlled exposures to 60 sec.

- Electro-magnetic shutter release to eliminate vibration
- Four-lamp illumination for even, glare-free subject lighting
- Exact outlining of subject area by illuminated rectangle
- Special accessories available, such as framing boxes for copying thick originals (books), special lenses and carrying stages to produce magnified images of small originals (transparencies), etc.

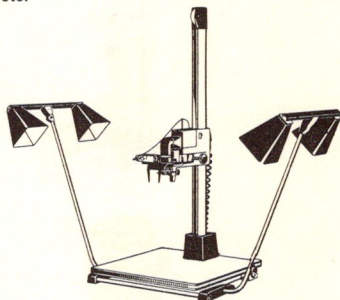
REPROVIT IIa

Catal. Number
16,789

Item

Reprovit IIa Reproduction Outfit for "M" series Leica cameras. For recording both flat originals, either opaque or transparent, and solid objects at reproduction ratios of from 1:19 to 1:1, using the 50mm Repro Focotar lens. Consists of copying stand, focusing stage with bellows and rack-and-pinion adjustment, diaphragm lever and operating guide, projection head with electromagnetic camera release, automatic electric interval timer, four-lamp illuminator, 50mm Repro Focotar f/4.5 lens, and line cord. For 110v A.C. operation only \$ 1050.00

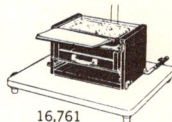
Retail Price



Reprovit IIa

ACCESSORIES AND PARTS

16,786	Small-Object Stage for copying 35mm transparencies and other small originals at ratios of 1:1 or at magnification	56.00
16,761	Framing Box (11½" x 16½") with clamping device for Reprovit IIa. Books and other material up to 5 inches thick are held flat against the glass top	138.00
16,773	Illuminating Box , 16x17½", with line-cord and glass plate to keep film sheets flat	135.00
16,780	24mm Repro Summar f/4.5 with adapter for Reprovit IIa. Magnification up to 6.5x are possible	98.00
16,781	Repro 50mm Focotar with click stops (Especially corrected for close distance.) Supplied with Reprovit IIa	57.00
98,211	Four-Lamp Illuminator with self-adjusting anti-reflection curtains. Used to illuminate opaque copy. Supplied with Reprovit IIa #16,789	162.00
16,766	Replacement Bulb (100W) , for Four Lamp Illuminator #98,211	1.00
17,675	Extension Ring for converting Focotar lens which is supplied with Reprovit IIa to Focotar lens #17,581 for use with Valoy and Focomat Ic enlargers	1.50
98,210	Fluorescent Tube , 24" General Electric 20 Watt F20 T12/WWX for #16,763	1.15
98,588	Projection Bulb BEH 150W , 115-120V as replacement for Reprovit IIa projection head lamp	2.95



16,761



16,780

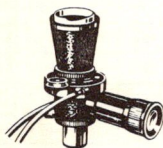
PHOTOMICROGRAPHY WITH THE MICRO IBSO

The Micro Ibsso attachment makes it simple and convenient to use the Leica for photomicrography. With this precision device, the Leica offers many advantages — among them; film economy, short exposures, and the ability to observe the specimen while the equipment is in place on the microscope and even while making the actual exposure.

The Micro Ibsso replaces the lens on your Leica. The attachment and camera are then connected to the draw-tube of any standard microscope. The Micro Ibsso has its own "X"-synchronized Ibsso shutter (1 to 1/125th, "T" and "B") to

eliminate vibration at high magnifications and comes with a 10X PERIPLAN ocular. The swing-out prism passes 25% of the light through the viewing telescope, which is focused on cross hairs for your individual eyesight. When the image is in focus on the groundglass of the Micro Ibsso, it is also sharp in the film plane of the camera.

The interchangeable conical tube of the Micro Ibsso has a correction lens with a magnifying factor of 1/3X or 1/2X. These produce a magnification on the film that is 1/3rd or 1/2 that seen by the eye through the microscope.



17,001



17,026

MICRO-IBSSO

Catalog Number	Item	Retail Price
17,001	Micro Ibsso with bayonet-mounting 1/3X conical correction tube and two cable releases	\$175.00
17,006	Micro Ibsso with bayonet-mounting 1/2X conical correction tube and two cable releases	179.00
17,026	Interchangeable Conical Tube (1/3X), with bayonet mount, for Micro Ibsso	23.00
17,033	Interchangeable Conical Tube (1/2X), with bayonet mount, for Micro Ibsso	27.00

ACCESSORIES FOR PHOTOMICROGRAPHY

Catalog Number	Item	Retail Price
14,067	Cable Release (10 inches) with locking screw for bayonet-mounting models	1.65
17,015	Cable Release with set-screw for operating prism. (As replacement)	3.00
17,020	Cable Release without set-screw for operating Ibsso shutter. (As replacement)	3.00
17,010	Double Release fitting cable releases of Micro Ibsso Attachment. Simultaneously operates shutter and swing-out prism	16.00

RATIOS • AREAS COVERED • DEPTH OF FIELD • EXPOSURE FACTORS

(Based on 24 x 36 mm Leica Format)

RATIO	ENGLISH SYSTEM						METRIC SYSTEM						EXPOSURE FACTOR
	Area in Inches	Total Depth of Field in Inches					Area in mm	Total Depth of Field in Millimeters					
		f/4	f/5.6	f/8	f/11	f/16		f/4	f/5.6	f/8	f/11	f/16	
1:20	18.9 x 28.4	4.41	6.18	8.85	12.1	17.7	480 x 720	112.0	156.8	224.0	308.0	448.0	1.1 X
1:18	17 x 25.5	3.59	5.05	7.17	9.94	14.4	432 x 648	91.2	127.7	182.4	250.8	364.8	1.1 X
1:17	16.2 x 24.2	3.22	4.50	6.43	8.85	12.8	408 x 612	81.6	114.2	163.2	224.4	326.4	1.1 X
1:16	15.1 x 22.6	2.86	4.02	5.72	7.90	11.4	384 x 576	72.5	101.6	145.1	199.5	290.1	1.1 X
1:15	14.2 x 21.3	2.52	3.53	5.05	6.95	10.1	360 x 540	64.0	89.6	128.0	176.0	256.0	1.1 X
1:14	13.2 x 19.8	2.21	3.09	4.41	6.08	8.84	336 x 504	56.0	78.4	112.0	154.0	224.0	1.1 X
1:13	12.3 x 18.5	1.91	2.68	3.83	5.28	7.66	312 x 468	48.5	68.0	97.1	133.5	194.1	1.2 X
1:12	11.3 x 16.9	1.64	2.30	3.28	4.50	6.55	288 x 432	41.6	58.2	83.2	114.4	166.4	1.2 X
1:11	10.4 x 15.6	1.39	1.94	2.77	3.82	5.56	264 x 396	35.2	49.3	70.4	96.8	140.8	1.2 X
1:10	9.45 x 14.2	1.15	1.62	2.32	3.18	4.62	240 x 360	29.3	41.1	58.7	80.7	117.3	1.2 X
1:9	8.51 x 12.8	0.945	1.32	1.89	2.60	3.78	216 x 324	24.0	33.6	48.0	66.0	96.0	1.2 X
1:8	7.56 x 11.3	0.758	1.06	1.51	2.08	3.03	192 x 288	19.2	26.9	38.4	52.8	76.8	1.3 X
1:7	6.61 x 9.92	0.588	0.825	1.18	1.62	2.36	168 x 252	14.9	20.9	29.9	41.1	59.7	1.3 X
1:6	5.66 x 8.51	0.441	0.620	0.885	1.21	1.77	144 x 216	11.2	15.7	22.4	30.8	44.8	1.4 X
1:5	4.72 x 7.09	0.315	0.440	0.632	0.867	1.26	120 x 180	8.0	11.2	16.0	22.0	32.0	1.4 X
1:4	3.78 x 5.66	0.209	0.296	0.422	0.580	0.840	96 x 144	5.3	7.5	10.7	14.7	21.3	1.6 X
1:3	2.84 x 4.26	0.126	0.178	0.252	0.347	0.505	72 x 108	3.2	4.5	6.4	8.8	12.8	1.8 X
1:2	1.89 x 2.84	0.063	0.087	0.126	0.173	0.252	48 x 72	1.6	2.2	3.2	4.4	6.4	2.3 X
1:1.5	1.42 x 2.13	0.039	0.055	0.079	0.110	0.158	36 x 54	1.0	1.4	2.0	2.8	4.0	2.8 X
1:1.33	1.26 x 1.89	0.031	0.047	0.067	0.091	0.134	32 x 48	0.8	1.2	1.7	2.3	3.3	3.1 X
1:1	0.945 x 1.42	0.020	0.031	0.043	0.059	0.083	24 x 36	0.5	0.8	1.1	1.5	2.1	4 X
1.5:1	0.630 x 0.945	0.012	0.016	0.023	0.032	0.047	16 x 24	0.30	0.41	0.59	0.81	1.19	6 X
2:1	0.472 x 0.709	0.008	0.011	0.016	0.022	0.032	12 x 18	0.20	0.28	0.40	0.55	0.80	9 X
3:1	0.314 x 0.472	0.005	0.007	0.010	0.013	0.018	8 x 12	0.12	0.17	0.24	0.33	0.47	16 X
4:1	0.236 x 0.354	0.003	0.005	0.007	0.009	0.013	6 x 9	0.08	0.12	0.17	0.23	0.33	25 X
5:1	0.189 x 0.284	0.002	0.004	0.005	0.007	0.010	4.8 x 7.2	0.06	0.09	0.13	0.18	0.26	36 X
6:1	0.158 x 0.237	0.002	0.003	0.004	0.006	0.008	4.0 x 6.0	0.05	0.07	0.10	0.14	0.21	49 X
6.5:1	0.145 x 0.217	0.002	0.003	0.004	0.005	0.007	3.7 x 5.5	0.05	0.07	0.09	0.13	0.19	56 X
7:1	0.135 x 0.202	0.002	0.002	0.004	0.005	0.007	3.4 x 5.1	0.04	0.06	0.09	0.12	0.17	64 X
8:1	0.118 x 0.177	0.002	0.002	0.003	0.004	0.006	3.0 x 4.5	0.04	0.05	0.08	0.10	0.15	81 X
9:1	0.105 x 0.158	0.001	0.002	0.003	0.004	0.005	2.7 x 4.0	0.03	0.05	0.07	0.09	0.13	100 X
10:1	0.094 x 0.142	0.001	0.001	0.002	0.003	0.005	2.4 x 3.6	0.03	0.04	0.06	0.08	0.12	121 X
Circle of confusion = 1/750 inch							Circle of confusion = 1/30 mm						

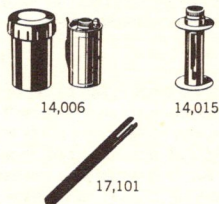
PROCESSING EQUIPMENT

BULK LOADING EQUIPMENT

By bulk-loading your own film into Leica magazines, you can cut film costs to a minimum. What's more, you can enjoy the use of many interesting films which are normally not avail-

able in standard 35mm cartridges. Several precise, convenient accessories, which make bulk-loading a simple process, are offered as a part of the Leica System.

<i>Catalog Number</i>	<i>Item</i>	<i>Retail Price</i>
14,006	Film Magazine for all Leicas except 250 exposure model; with screw-cap plastic container	\$ 10.50
14,001	Film Magazine 14,006 but without container	9.75
14,010	Plastic Container with screw-cap for Film Magazines.	.75
14,015	Center Spool for Film Magazines	2.70
17,101	Hand Film Winder for loading bulk film into magazines.	1.80



RONDINAX DEVELOPING TANK

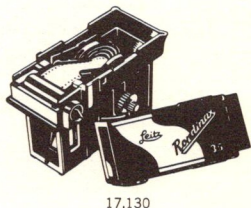
By processing your own films, you guarantee that they get careful development. What's more, you can choose from among scores of developers, experiment, exercise creative control over your negatives every step of the way.

The Rondinax tank is made from strong, shock-resistant plastic, which helps to maintain an

even processing temperature during development.

It is a daylight-loading tank. You can use it without a darkroom, process on the go during vacations or while traveling, and be sure that you have the pictures that you want.

17,130	Rondinax Daylight Loading Tank	24.00
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ELDIA PRINTER

The Eldia Contact Printer makes positives of your 24x36mm Leica negatives on 35mm film strips. Or you can interchange its hinged masking window with an 18x24mm window for single-frame prints. The unexposed film is

loaded into a light-tight housing and advanced by turning a knob — a single click for a single-frame spacing, two clicks for double-frame. You can print your negatives in any sequence you want, exposing by an external light source.

17,900	Eldia Contact Printer for 35mm strips	36.00
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FOCOMAT Ic

Only by making enlarged prints can you bring out the full beauty and rich detail of a Leica negative. But it is vital that your enlarger be as precise as the Leica itself. A poorly made enlarger or a questionable enlarging lens can destroy the potential of even the most highly corrected camera lenses.

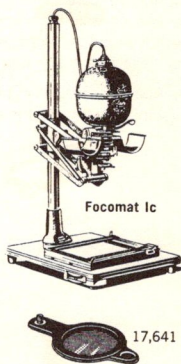
So, Leitz enlargers are designed especially for use with 35mm negatives. They are precisely made, in the same factory as the camera itself, to rigid optical and mechanical standards. Special enlarging lenses, corrected for close-distance work, are available for the enlargers, or you may use your camera lens, if you prefer.

FOCOMAT Ic AUTOFOCUS ENLARGER

The Focomat Ic can be set in an instant and is autofocus through a range of 2 to 10 diameters; you can make larger prints by focusing manually. The autofocus cam is adjusted precisely to each individual lens you use in the enlarger, assuring critical focus throughout its range. The baseboard (16 x 21 inches) has a built-in light switch, a quick clamping device to lock the easel in position, and an upright 32 inches high, 40mm in diameter. You raise or lower the

springcounter balanced lamp housing by a self-locking finger grip. The degree of enlargement shows on a scale. The housing can be tilted for easy cleaning of the surface-treated, anti-Newton's Rings condenser. You can also use the baseboard and upright of your Focomat Ic as a copying stand by using one of the carrying arms described in the section on Close-Up Photography.

Catalog Number	Item	Retail Price
FOCOMAT Ic AUTOFOCUS ENLARGER		
17,601	Focomat Ic Enlarger without lens, filter or easel	\$298.50
17,600	Focomat Ic Enlarger complete with 50mm Focotar f/4.5 lens, Orange Filter and 8 x 10 inch Enlarging Easel	403.50
17,602	Focomat Ic Color Enlarger. Same as #17,601 but with extra equipment for color printing consisting of filter holder for color filters and illuminated magnification indicator on baseboard	351.00
17,625	Focomat Ic Enlarger with 22 x 25 inch baseboard and upright 47 inches high, but without lens, filter or easel	312.00
17,626	Focomat Ic Color Enlarger. Same as #17,625 but with extra equipment for color printing, consisting of filter holder for color filters and illuminated magnification indicator on baseboard	366.00
17,641	Orange Filter for Focomat Ic	4.50
17,636	Filter Holder for Focomat Ic. Accepts filters for use with variable contrast enlarging papers	9.90



FOCOMAT ACCESSORIES



17,581



17,675



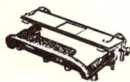
17,671



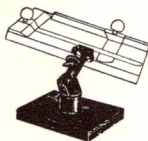
17,672



17,670



17,640 17,645



17,650

Catalog
Number

Item

Retail
Price

ACCESSORIES FOR FOCOMAT Ic AND FORMER VALOY II

17,581	50mm Focotar f/4.5 Enlarging Lens for Valoy II and Focomat Ic. Coated, with click stops. Specifically corrected for enlarging and reproduction work	\$ 63.00
16,615	Repro Extension Tube , 26mm, with standard Leica thread. Used between lens and lensboard to increase printing range of Valoy II and Focomat Ic. (Two rings = 1:1)	4.80
17,675	Extension Ring for converting Focotar lens supplied with Reprint IIa to Focotar lens #17,581	1.50
17,671	Bayonet Adapter , adapting bayonet-mounting 50mm Elmar lens to Valoy and Focomat I, Ia, and Ic enlargers (accepts rear bayonet of lens in collapsed position)	4.50
17,672	Adapter , fitting lens units of the Dual-Range and rigid-mount Summicron lenses to Valoy II and Focomat Ic enlargers	3.60
17,670	Film and Plate Holder for single film strip or 2 x 2 inch lantern slide plate. Converts Valoy II or Focomat Ic to a single exposure copying camera	16.50
17,639	Condenser Type "N" , clear surface, for Focomat Ic enlargers, as replacement. Also required for older Focomats when Glass Pressure Plate #17,652 is to be used	13.50
17,652	Glass Pressure Plate , with spacer ring. Treated surface prevents Newton's rings. Used with condenser marked "N"	10.20
17,655	Perspective Corrector for Valoy II or Focomat Ic. Complete with Tilting Negative Carrier Holder, Hinged Negative Carrier and Tilting Easel Holder	88.50
17,640	Tilting Negative Carrier Holder supplied with Perspective Corrector. Has two ball and socket spring clips for holding Hinged Negative Carrier, two adjusting nuts and two clamping screws	34.50
17,645	Hinged Negative Carrier supplied with Perspective Corrector. A glass and metal sandwich with 24 x 36mm aperture fitting Tilting Negative Carrier Holder	12.00
17,650	Tilting Easel Holder supplied with Perspective Corrector. Base has metal dovetail grooves fitting quick clamping device of Focomat Ic. Tilting standard has dovetail slider fitting grooves of Focomat and Valoy II easel	42.00
17,661	Bayonet Collar for bayonet-mounting 50mm Elmar f/3.5 and all Elmar 50mm f/2.8 lenses. Necessary when using lens in enlarger with Perspective Corrector	3.90

NEGATIVE CARRIERS

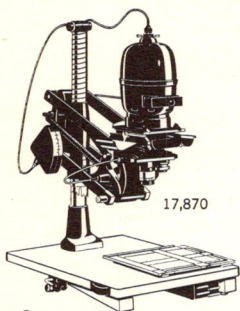
Catalog Number	Item	Retail Price
INTERCHANGEABLE MASKING NEGATIVE CARRIERS FOR FOCOMAT 1c DISCONTINUED VALOY II AND FOCOMAT 1a ENLARGERS		
17,514	Negative Carrier for 8 x 11mm (Approx. 5/16" x 7/16") negatives	\$ 7.50
17,517	Negative Carrier for 12x17mm (Approx. 1/2" x 3/4") negatives	7.50
17,516	Negative Carrier for 18 x 24mm (Approx. 11/16" x 15/16") negatives	7.50
17,521	Negative Carrier for 24 x 24mm (Approx. 15/16" x 15/16") negatives	7.50
17,526	Negative Carrier for 24 x 36mm (Approx. 15/16" x 1-13/32") negatives	7.50
17,642	Negative Carrier for 28x28mm (Approx. 1 3/32" x 1 3/32") negatives	7.50
17,531	Negative Carrier for 3 x 4cm (Approx. 1-3/16" x 1-9/16") negatives	7.50
17,536	Negative Carrier for 4 x 4cm (Approx. 1-9/16" x 1-9/16") negatives	7.50
17,540	Metal Negative Mask. Used with Hinged Double Glass Plate #17,545	3.00
17,545	Hinged Double Glass Plate (3.5 x 12cm) (Approx. 1-3/8" x 4-11/16"). Used with Metal Negative Mask #17,540	8.10
17,565	Hinged Double Glass Plate (5 x 16cm) (Approx. 1-15/16" x 6-3/8") used when enlarging a single negative or short strip cut from a roll of 3 x 4cm (Approx. 1-3/16" x 1-9/16") or 4 x 4cm (Approx. 1-9/16" x 1-9/16") negatives. To be used with Negative Mask #17,555 or #17,560	9.00
17,555	Metal Negative Mask with 3 x 4cm (Approx. 1-3/16" x 1-9/16") aperture. To be used with Glass Negative Holder #17,565	3.00
17,560	Metal Negative Mask with 4 x 4cm (Approx. 1-9/16" x 1-9/16") aperture. To be used with Glass Negative Holder #17,565	3.00

FOCOMAT IIc & ACCESSORIES

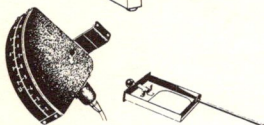
FOCOMAT IIc

The autofocus Focomat IIc enlarger is ideal for professional darkrooms or photo laboratories. It has two turret-mounted lenses of different focal lengths for extra versatility and also ac-

cepts a wide range of accessory equipment. As with the Focomat Ic, there is also available a special model of the Focomat IIc for color printing.

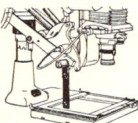
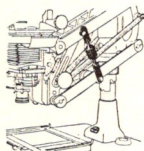


17,870



17,862

17,864



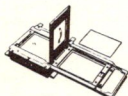
17,861



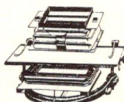
16,617



17,875



17,880



17,885

Catalog Number	Item	Retail Price
FOCOMAT IIc AUTOFOCUS COLOR ENLARGER		
17,870	Focomat IIc Color Enlarger complete with 150 watt lamp, 60mm and 100mm V-Elmar f/4.5 lenses, 21 x 26 inch baseboard, 3 1/2 inch upright, double condenser, illuminated magnification indicator and special holder for color filters	\$987.00
17,862	Magnification Indicator , internally illuminated	27.00
17,864	Color Filter Holder for color printing. Accepts 12 x 12cm (4-3/4" x 4-3/4") filters	15.00
17,860	Focomat IIc Enlarger . Same as #17,870, but without magnification indicator or color filter holder	945.00

ACCESSORIES FOR THE FOCOMAT IIc ENLARGER

17,861	Auxiliary Focusing Device for 1:1 reduction using 100mm V-Elmar f/4.5 lens and Repro Extension Tube #16,615. Used with Extension Tube #16,617 and the 60mm Focotar f/4.5, it gives reductions to 1:2.5. (from 6 x 9cm to 24 x 36mm for instance). (Extension Tubes not included.)	18.60
16,615	Repro Extension Tube (26mm) for 1:1 reproduction with Auxiliary Focusing Device #17,861 and 100mm V-Elmar lens	4.80
16,617	Extension Tube (44mm) for reductions to 1:2.5 with Auxiliary Focusing Device #17,861 and 60mm Focotar lens	3.00
17,876	Film Holder for 24 x 36mm (Approx. 15/16" x 1-13/32") negatives. With single Anti-Newton's rings glass pressure plate	37.80
17,875	Orange Filter for Focomat IIc	3.60
17,880	Copying Cassette . Replaces film holder during copying	108.00
17,885	Perspective Corrector for Focomat IIc. Complete with Tilting Negative Carrier Holder and Tilting Easel Holder	117.00
17,879	Filter Holder . Accepts filters for use with variable contrast enlarging papers	12.90
17,877	60mm Focotar f/4.5 enlarging lens for Focomat IIc (as replacement)	64.00
17,878	100mm V-Elmar f/4.5 enlarging lens for Focomat IIc (as replacement)	84.00

MASKS, EASELS & BULBS

Catalog Number	Item	Retail Price
INTERCHANGABLE NEGATIVE MASKING PLATES FOR FOCOMAT IIc ENLARGER		
17,897	Negative Masking Plate for 12x17mm (Approx. 1/2" x 3/4") negatives	\$ 2.40
17,899	Negative Masking Plate for 18x24mm (Approx. 11/16" x 15/16") size	2.40
17,887	Negative Masking Plate for 24 x 24mm (Approx. 15/16" x 15/16") size	2.40
17,898	Negative Masking Plate for 26x26mm (Approx. 1 1/32" x 1 1/2") negatives	2.40
17,888	Negative Masking Plate for 24 x 36mm (Approx. 15/16" x 1-13/32") size (as replacement)	2.40
17,889	Negative Masking Plate for 3 x 4cm (Approx. 1-3/16" x 1-9/16") size	2.40
17,890	Negative Masking Plate for 4 x 4cm (Approx. 1-9/16" x 1-9/16") size	2.40
17,891	Negative Masking Plate for 4.5 x 6cm (Approx. 1-13/16" x 2-3/8") size	2.40
17,892	Negative Masking Plate for 4 x 6.5cm (Approx. 1-9/16" x 2-9/16") size	2.40
17,893	Negative Masking Plate for 6 x 6cm (Approx. 2-3/8" x 2-3/8") size (as replacement)	2.40

ENLARGING EASELS

These easels have adjustable masking bands and margin stops, a white surface for focusing the projected image and metal dovetail grooves fitting the quick clamping device of the Focomat enlargers.

17,585	Enlarging Easel 8 x 10 inches	37.50
17,630	Enlarging Easel 12 x 16 inches. This easel is thicker than #17,585 and is supplied with a spacer ring that is to be placed on the enlarger upright raising the lamp housing the proper distance	108.00

ENLARGER BULBS

17,690	Opal Bulb (75 watt) for all enlargers. (Imported).....	1.20
17,691	Opal Bulb (150 watt) for all enlargers (Imported)	1.20
Standard domestic bulbs may be used but the imported bulbs give better results.		
17,692	Aktina High Efficiency Opal Lamp (250 watt) for Focomat Ic, Ila, and IIc. The lamp should be used with a voltage reducer	2.40
17,695	Voltage Reducer for Aktina High-Efficiency Lamp.Dims lamps while focusing and burns at full intensity during exposure; complete with voltmeter and switch for 110/220 volts A.C. or D.C.	68.00
17,895	Bulb for magnification indicator of Focomat IIc color enlarger (as replacement) .....	.90
17,896	Bulb, 15 watt. for negative-alignment light box of Focomat IIc and Focomat IIc Color enlargers (as replacement) .....	.60

PUBLICATIONS

Few photographers can be expert in all of the many aspects of Leica work. But, through books, the experience and advice of these outstanding experts are available to help you to greater enjoyment of our photography.

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BOOKS

More books have been published, in English and foreign languages, on the Leica and its use than on any other camera. The more outstanding of these are listed here.

<i>Catalog Number</i>	<i>Item</i>	<i>Retail Price</i>
98,013	The Leica and the Leica System by Theo. M. Scheerer. Hard covers with 134 black-and-white and nine color illustrations	\$ 5.40
98,018	Leica & Leicaflex Way by Andrew Matheson. This 479 page hard cover book is packed with information on the construction and use of the Leica and the Leicaflex	8.95
98,019	Leicaflex Guide , a 135-page illustrated paperback guide by Andrew Matheson	1.95
98,027	Witness To Our Time by Alfred Eisenstaedt, a photographic record of the people and events of the past four decades. A 344 page hard cover volume measuring 10" x 13" with 48 pages of full four color and 379 black and white gravure photographs	16.50

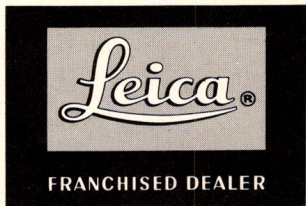
Free Product Literature available on request

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