

Authorized Federal
Supply Schedule Catalog

F.S.C. GROUP 67, PART III—
PHOTOGRAPHIC EQUIPMENT

INDEX ITEM

NO. (S) 20-214, 215 & 208.

CONTRACT NO. GS-00S-77657

Period December 1, 1968 through
November 30, 1969

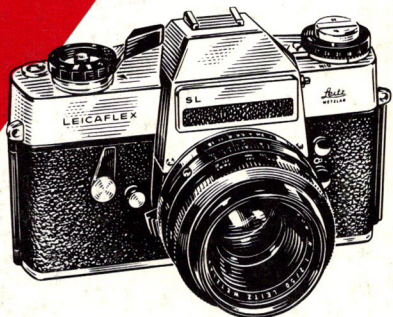
GENERAL SERVICES ADMINISTRATION
FEDERAL SUPPLY SERVICE

G.S.A. DISTRIBUTION CODE C-70 AND C-71



Leica and Leicaflex

CAMERAS
AND
ACCESSORIES



G.S.A. ORDERING INFORMATION

ALL ORDERS AND PAYMENTS ARE TO BE MADE OUT TO:

E. LEITZ, INC.

468 PARK AVENUE SOUTH, NEW YORK, NEW YORK 10016

THE GOVERNMENT DISCOUNT ON OFFERED ITEMS IS THE COMMERCIAL LIST PRICE SHOWN IN THIS PRICE LIST LESS 25%.

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CATALOG NUMBERS OF ITEMS OFFERED UNDER SPECIAL ITEM No. 20-208.

The government discount on these items is the commercial list price shown in this price list less 25%

CATALOG NUMBER	PAGE	CATALOG NUMBER	PAGE	CATALOG NUMBER	PAGE	CATALOG NUMBER	PAGE	CATALOG NUMBER	PAGE
17,581	45	17,625	44	17,641	44	17,862	47	17,876	47
17,585	48	17,626	44	17,671	45	17,864	47	17,879	47
17,601	44	17,630	48	17,672	35, 45	17,870	47		
17,602	44	17,636	44	17,860	47	17,875	47		

CATALOG NUMBERS OF ITEMS OFFERED UNDER SPECIAL ITEM No. 20-214.

The government discount on these items is the commercial list price shown in this price list less 25%

CATALOG NUMBER	PAGE	CATALOG NUMBER	PAGE	CATALOG NUMBER	PAGE	CATALOG NUMBER	PAGE	CATALOG NUMBER	PAGE
10,400	2	13,050	32	13,191	32	13,310	32	16,464	12, 35
10,401	4	13,055	32	13,196	32	13,311	32	16,466	13
11,062	14	13,060	32	13,200	32	13,315	32	16,469	35
11,063	14	13,065	32	13,205	32	13,316	32	16,471	35
11,103	6	13,070	32	13,206	32	13,325	32	16,472	13, 35
11,112	7	13,075	32	13,215	32	13,326	32	16,498	11
11,114	7	13,081	32	13,218	32	13,330	32	16,556	35
11,123	8	13,086	32	13,220	32	13,331	32	16,557	35
11,129	8	13,096	32	13,221	32	13,335	32	16,558	35
11,132	14	13,098	32	13,225	32	13,340	32	16,580	35
11,306	6	13,101	32	13,228	32	13,345	32	16,590	35
11,308	6	13,116	32	13,230	32	13,351	32	16,596	35
11,318	7	13,126	32	13,235	32	13,352	32	16,598	35
11,801	6	13,131	32	13,245	32	13,360	32	16,707	25, 39
11,817	7	13,136	32	13,250	32	14,006	5, 43	16,761	40
11,820	7	13,141	32	13,255	32	14,022	18	16,773	40
11,851	8	13,146	32	13,265	32	14,067	18, 26, 41	16,780	40
11,871	6	13,151	32	13,270	32	14,092	18, 26	16,786	40
11,912	14	13,155	32	13,275	32	14,100	18	16,789	40
12,002	6, 16, 21	13,160	32	13,280	32	14,121	18	98,349	19
12,007	6, 16	13,161	32	13,285	32	14,217	5, 30	98,362	19, 27
12,030	8, 16	13,170	32	13,290	32	14,260	5, 18	98,700	4
12,575	8, 16	13,171	32	13,291	32	14,528	5, 28	98,712	4
12,585	6, 7, 16	13,172	32	13,295	32	14,807	28	98,713	4
13,000	32	13,173	32	13,296	32	14,808	28		
13,015	32	13,175	32	13,305	32	14,820	28		
13,020	32	13,176	32	13,306	32	16,461	11		
13,025	32	13,190	32	13,307	32	16,462	12		

CATALOG NUMBERS OF ITEMS OFFERED UNDER SPECIAL ITEM No. 20-215.

The government discount on these items is the commercial list price shown in this price list less 25%

CATALOG NUMBER	PAGE	CATALOG NUMBER	PAGE	CATALOG NUMBER	PAGE	CATALOG NUMBER	PAGE	CATALOG NUMBER	PAGE
10,011	20	13,006	33	13,014	33	13,023	33	16,532	23
11,201	21	13,007	33	13,016	33	14,127	21	16,533	23
11,211	21	13,008	33	13,017	33	14,139	23	16,534	23
11,228	21	13,009	33	13,018	33	14,555	25		
11,239	21	13,011	33	13,019	33	14,809	25		
11,813	21	13,012	33	13,021	33	14,822	25		
11,919	21	13,013	33	13,022	33	16,531	23		

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

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.

Prices and specifications effective October 25, 1968. 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 AND M3 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).
 - 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.
- Full line of interchangeable lens.

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

Catalog Number	Item	Retail Price
10,400	Leica M 4 without lens	\$298.50
10,402	Leica M 4 in black finish without lens	330.00
10,405	Leica M 4 with 50mm Elmar f/2.8 lens.....	376.50
10,406	Leica M 4 with 50mm rigid Summicron f/2 lens ...	448.50
10,407	Leica M 4 with 50mm Summicron DR f/2 lens and optical viewing unit	487.50
10,408	Leica M 4 with 50mm Summilux f/1.4 lens	520.50
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.....	510.00

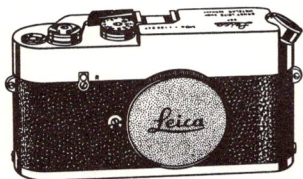


Leica M 4



Leica M 3

MDa & BLACK MODELS



LEICA MDa

LEICA MDa

The Leica MDa 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 M 4 camera but lacks a rangefinder and viewfinder. Shutter speeds are from one to 1/1000th of a second, and the MDa accepts the lenses and accessories used with the other "M" Leica models.

Frame Identification

For laboratory use, the MDa 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.

10,103	Leica MDa without lens and with standard baseplate	\$210.00
10,913	Leica MDa without lenses, with special baseplate #14,142	223.00
14,142	Special Baseplate for Leica MDa. Permits identification strips to be inserted into camera	24.00
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 & #14,142. Can be written on and positioned in front of film in camera for frame identification at time of exposure. Package of 100 strips	9.00

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		
10,402	Leica M 4, black finish without lens	330.00
LENSES IN BLACK FINISH		
LENSES AVAILABLE IN BLACK ARE SO NOTED.		
ACCESSORIES IN BLACK FINISH		
14,218	Leica-Meter MR-4	54.00
14,124	Front Lens Cap, in black finish, for 90mm f/2 and 135mm f/2.8	3.00

MOTOR DRIVE FOR LEICA M4

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".

<i>Catalog Number</i>	<i>Item</i>	<i>Retail Price</i>
98,700	Motor Drive for Leica M4, M2, M1, MD and MP Cameras (not for M3)	\$372.00
10,401	Leica M4 Camera , black finish, modified to accept motor drive, catalog No. 98,700	378.00
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: 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. Cameras requiring conversion should be sent to:

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

BASIC CAMERA ACCESSORIES

Catalog Number	Item	Retail Price
14,217	Leica-Meter MR-4 , 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
14,218	Leica-Meter MR-4 in black finish, otherwise same as #14,217	54.00
14,210	Leica-Meter MR same as #14,217 except it is designed for all M models except M4	48.00
14,212	Leica-Meter-MR , in black finish otherwise same as #14,210	54.00
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 4, M 3 or M 2 with 35mm "R" lenses or 50mm Dual-Range Summicron, each with Optical Viewing Unit attached	21.60
14,528	Eveready Case for Leica M 4, 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 ½" wide	1.05
14,260	Rapid Loading Spool with film positioning adapter for Leica cameras M 2, M 3, M 1 and MD (not for M 4, MDA, nor motorized cameras)	9.00
Note: Film positioning adapter supplied with the spool must be attached to base plate of the camera.		
14,006	Film Magazine for all Leicas except 250 exposure model; with screw-cap plastic container	10.50
14,097	Bayonet Adapter actuating the 50mm viewfinder frame of the Leica M2, M3 and M4	9.90
	For M3 with: All screw-mounting Leica lenses 50mm or less in focal length. For M2, and M4 with: All screw-mounting 50mm Leica lenses.	
14,098	Bayonet Adapter actuating the 90mm viewfinder frame of the Leicas M2 and M3 and M4	9.90
	For M2, M3 and M4 with: All screw-mounting 90mm Leica lenses.	
14,099	Bayonet Adapter actuating the 135mm viewfinder frame of the Leica M3 and M4 and the 35mm frame of the Leica M2 and M4	9.90
	For M3 with: All screw-mounting 135mm Leica lenses. For M2 with: All screw-mounting Leica lenses 35mm or less in focal length. For M4: All screw-mounting 35mm and 135mm Leica lenses.	

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.)



14,217



14,526



14,528



14,006

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.

Rangefinder-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.

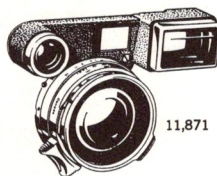
Several of the longer focal lengths — particularly models of the 90mm and 135mm lenses — can also be used on the Visoflex II and III by means of adapters. This adaptation is especially useful for close-up and portrait work.

The longer focal length lenses, from 200mm to 560mm, which must be focused by a reflex system, are described in the section on the Visoflex housings.

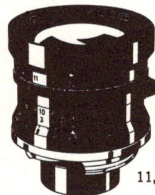
Catalog Number	Item	Retail Price
11,103	21mm Super-Angulon $f/3.4$ in black finish, including special lens hood	\$276.00
12,002	Optical Bright-line Viewfinder for 21mm lenses	69.00
11,801	28mm Elmarit $f/2.8$ in black finish with lens hood	226.50
11,802	28mm Elmarit $f/2.8$ in black finish without lens hood	216.00
12,007	Optical Viewfinders for 28mm lens	42.00
11,106	35mm "RF" Summaron $f/2.8$ in chrome finish with Optical Viewing Unit for M 3	165.00
11,306	35mm Summaron $f/2.8$ in chrome finish M 2 and M 4	129.00
11,108	35mm "RF" Summicron $f/2$ in chrome finish with Optical Viewing Unit for M 3	204.00
11,104	35mm "RF" Summicron $F/2$ in black finish with optical viewing unit for M 3	228.00
11,308	35mm Summicron $f/2$ in chrome finish for M 2 and M 4	168.00
11,307	35mm Summicron $F/2$ in black finish for M 2 and M 4	189.00
11,870	35mm Summilux $f/1.4$ in black finish with lens hood for M 2 and M 4	198.00
11,871	35mm "RF" Summilux $f/1.4$ in black finish with Optical Viewing Unit and lens hood for M 3	228.00
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
12,504	Lens Hood for 35mm Summilux with serial number #2166701 and above (as replacement)	10.50



11,108



11,871



11,801



12,002



12,585



12,007



11,870



11,306

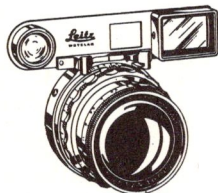


11,308



11,103

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
11,817	50mm Summicron f/2, black finish, including lens hood	162.00
11,318	50mm Dual-Range Summicron f/2 with Optical Viewing Unit for M 2, M 3, and M 4 in chrome finish	189.00
14,002	Optical Viewing Unit for bayonet-mounting 50mm Dual-Range Summicron f/2 lens (as replacement)	39.00
11,114	50mm Summilux f/1.4, in chrome finish, includes lens hood and lens hood cap	222.00
11,113	50mm Summilux f/1.4 same as #11,114 but in black finish	243.00
11,820	50mm Noctilux f/1.2 lens in black finish with sunshade and lens cap	693.00
12,585	Lens Hood with clamping device for 35mm and 50mm lenses with 42mm flange diameter	10.50
12,586	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)	12.90



11,820



11,112



11,114



11,113



12,585

LONG-FOCUS BAYONET LENSES

<i>Catalog Number</i>	<i>Item</i>	<i>Retail Price</i>
11,800	90mm Tele-Elmarit f/2.8 in black finish. Telephoto design; mount is only 60mm long	\$186.00
11,129	90mm Elmarit f/2.8, rigid in chrome finish	177.00
11,123	90mm Summicron f/2, rigid; black finish with built-in collapsible lens hood	246.00
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	279.00
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.)



11,851



11,123



11,129



12,030



12,575



11,829

DATA FOR RANGEFINDER-COUPLED "M" LEICA LENSES

Focal Length	Lens	Aperture		Angle	Class	Click Diaphragm	Flange Diameter	Filter Designation	Weight Ounces	Minimum Focus	Approx. Min. Focus Area (In.)	Application	
		Maximum	Minimum										
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" M4-2" 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" M4-2" 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 M4-8.7	M2 3' M3 2' 3" M4 3'	22 x 33 16 x 24	Interiors Architecture Panoramic	
35mm	Summaron 1	f/2.8	f/22	64°	Wide Angle	Yes	42mm	A36	M2-8 M3-7.2 M4-6	M2-2" 4" M3-2" 2" M4-2" 4"	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" M4-2" 4"	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 w/ o.v.u.	Normal- 3' 4" Close- 19"	7 x 10 (close-up) 18 x 27 (normal)	General Action Poor Light Close-up	
50mm	Summilux	f/1.4	f/16	45°	Standard	Yes, incl. 1/2 stops	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. 1/2 stops	52.5	Series 8	16	40"	16.5 x 25"	General Existing light Fast action	
90mm (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		
90mm	Tele-Elmarit	f/2.8	f/16	27°	Tele-photo	Yes, incl. 1/2 stops	42mm	E39	12.5	3' 4"	In Viso. 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. 1/2 stops	63.5mm	E48	25	3.5'	In Viso. 3 x 4.7	9.5 x 14.25	Animals Sports Landscapes Portraiture Close-up
135mm	Tele-Elmar 2	f/4	f/22	18°	Tele-photo	Yes, Half & full stop	42mm	E39	18	5'	8.75 x 13		
135mm	Elmarit	f/2.8	f/32	18°	Long focus	Yes, Half & full stop	65	Series 7	26	5'	8.75 x 13	Animals Sports Distance Portraiture Close-up	

1. Separate models for M3 and M2 or M4

2. Lens unit can be used on Visoflex II or III with adapters

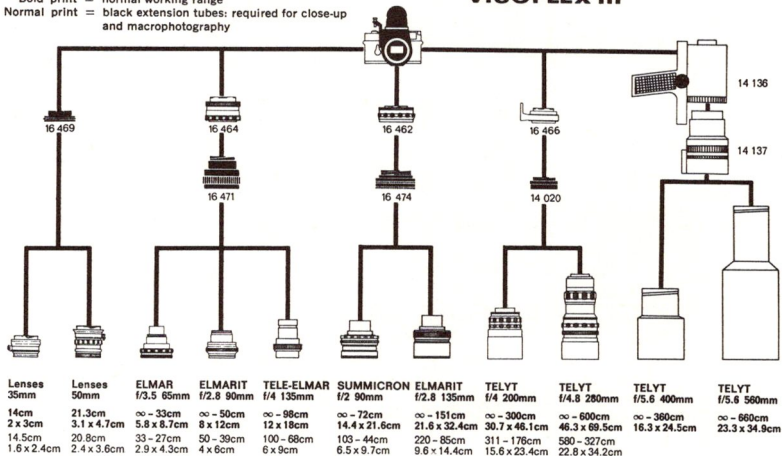
* 21mm lens focuses between minimum range-finder distances and 16", but range-finder does not function in this area.

THE VISOFLEX SYSTEM

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

Format given = object size at shortest focusing distance
Bold print = normal working range
 Normal print = black extension tubes: required for close-up and macrophotography

Combinations with the VISOFLEX III

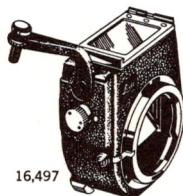


REFLEX HOUSING VISOFLEX III

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 560mm in focal length. (See chart on Page 1 Visoflex Section.) By adding extension tubes or a focusing bellows (or both), the Visoflex can be used for extreme close-up and scientific photography.



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.

Catalog Number	Item	Retail Price
16,498	Visoflex III, bayonet mounting, with 4X magnifier . . .	\$162.00
16,497	Visoflex III, bayonet mounting without magnifier	102.00
16,499	4X Eye-Level Magnifier for Visoflex III	60.00
14,118	Correction Lenses for magnifier #16,499. Corrects for near- or far-sightedness. Prescription for eye to be used must be furnished with order. (Delivery 8 to 12 weeks.)	15.00
16,461	5X Standard Magnifier for Visoflex II or III	39.00

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.	\$42.00
16,467	Short Focusing Mount, for lens unit of rigid f/4 90mm Elmar lenses above #1,572,401; permits focusing from infinity to 34" 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.	60.00



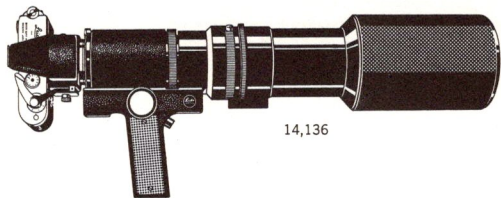
16,464



16,467

RAPID FOCUSING DEVICE TELEVIT

14,136	Televit Pistol Grip Rapid Focusing Device for long focus lenses for use on Leica Cameras with Visoflex II and III. Has built-in filter slot for Series 7 filters.	375.00
14,137	Iris Diaphragm Adapter with preset diaphragm for Televit rapid focusing device. This will accept the lens heads of the new Telyt 400mm f/5.6 or Telyt 560mm f/5.6.	99.00
14,138	Bayonet Adapter for using lens heads of Telyt 280 mm and the discontinued 400 mm f/5 on Televit Rapid Focusing Device.	9.00



14,136

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 135mmf, 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. . .	4.50
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

†Except 135mm Tele-Elmar f/4



16,466



14,116



14,117



14,020



14,024



12,035

VISOFLEX LENSES



11,062



11,026

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	\$ 87.00
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	162.00
11,133	90mm Summicron f/2 lens head only, in black finish, with standard type diaphragm (not preset diaphragm) without focusing mount. Use with universal focusing mount #16,462	153.00
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. Use with universal focusing mount #16,462	159.00
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

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):



11,912



11,063

11,063	200mm Telyt f/4 short mount, includes pre-set diaphragm built-in collapsible lens hood and lens hood cap	252.00
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

THE FOLLOWING LENSES CAN ONLY BE USED WITH THE TELEVIT PISTOL GRIP RAPID FOCUSING DEVICE #14,138: PLUS DIAPHRAGM ADAPTER #14,137

11,866	Telyt 400mm f/5.6 lens head only, w/out diaphragm	129.00
11,867	Telyt 560mm f/5.6 lens head only, w/out diaphragm	207.00
* 11,901	Telyt 280mm f/4.8 lens head only, with diaphragm	213.00

* Note: Requires only bayonet adapter #14,138.

DATA FOR VISOFLEX II AND III LENSES*

Focal Length	Lens	Aperture		Angle	Class	Click Diaphragm	Flange Diameter	Filter Designation	Weight Ounces	Min. Focus	Approx. Min. Focus Area (In.)	Application
		Max.	Min.									
65mm	Elmar	f/3.5	f/22	36°	Standard Med. Long	Yes incl. 1/2 stops	43mm	E41	4 1/2 (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. 1/2 stops	63.5mm	E48	19	3.5'	9.5 x 14.25	Portraiture Theatrical Existing light Animals
125mm <small>not correct</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. 1/2 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 27	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

*Removable 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 Televid pistol rapid focusing device #14,136 and diaphragm adapter #14,137. The lens heads do not have diaphragms or filter retaining rings. The filter slot for Series 7 filters is 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	\$69.00
12,007	Optical Bright-Line Viewfinder for 28mm lens	42.00
12,010	Optical Bright-Line Viewfinder for 35mm lenses	36.00
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
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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 #2166700 and below)	10.50
12,504	Lens Hood for 35mm Summilux with serial #2166701 and above (as replacement)	10.50
12,586	Lens Hood for all 50mm Summilux f/1.4 lenses (as replacement)	10.50
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
12,503	Lens Hood for 50mm Noctilux f/1.2 lens (as replacement)	12.90



12,002



12,007



12,010



12,015



12,025



12,030



12,035



12,501



12,586



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.



14,031



14,051



14,056

Catalog Number	Item	Retail Price
14,102	Front Lens Cap, Plastic, for 21mm Super Angulon f/3.4 28mm Elmarit f/2.8 and 50mm Noctilux f/1.2 lenses	\$ 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 35mm 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)	2.25
14,036	Front Lens Cap, chrome plated, for 50mm Summilux f/1.4 lens. (Fits front lens flange, not lens hood).....	2.25
14,122	Front Lens Cap, black finish, for 50mm Summilux F/1.4 lens. (Fits front lens flange, not lens hood)	2.25
14,033	Front Lens Cap. Fits over rear of Lens Hood #12,585 for 35mm and 50mm lenses when hood is reversed for storage45
14,037	Front Lens Hood Cap, plastic. Fits lens hood #12,521 for 50mm Summilux reversed on lens for carrying or storage45
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	3.00
14,124	Front Lens Cap, for 90mm f/2 and 135mm f/2.8 same as 14,028 but in black finish	3.00
14,044	Front Lens Cap, for 200mm f/4 Telyt lens	3.00
14,079	Front Lens Cap, for 280mm f/4.8 Telyt lens	3.30
14,046	Front Lens Cap, black finish, for 400mm f/5 Telyt lens.	3.75
14,140	Front Lens Cap, for 400mm f/5.6 lens	2.10
14,141	Front Lens Cap, for 560mm f/5.6 lens	2.10
REAR COVERS		
14,042	Rear Lens Cap, for bayonet-mounting 21mm Super Angulon, 28mm Elmarit and Stemar lenses	3.30
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	1.65
14,050	Rear Lens Cap, for all Visoflex lenses with screw mount	1.95
14,166	Rear Lens Cap, for 400mm f/5.6 and 560mm f/5.6 lens heads	1.80
CAMERA COVERS		
14,056	Lens Opening Cover, for Leica cameras having bayonet-type lens flange	1.95

CAMERA ATTACHMENTS

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.

Note:

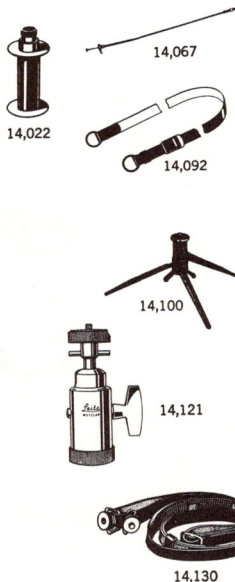
Correction lenses are custom-made accessories and are available on special order only. Prescription for the eye used must be furnished when ordering. Delivery: 8-12 weeks.

Catalog Number	Item	Retail Price
14,061	Correction Lenses for Leica M2, M3 and M4. To correct near and far sightedness	\$ 10.00
14,062	Correction Lenses for Leica M2, M3 and M4. 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	10.50
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. These attachments, whose functions are self-explanatory, help in various ways to make it easier for you to get the most from your Leica.

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 Ig and IIg. (Unmarked spools cannot be used with the Ig, IIg)	3.90
14,260	Rapid Loading Spool with film positioning adapter for Leica cameras M2, M3, M1, and MD (not for M4, MDg or motorized cameras)	9.00
	Note: Film positioning adapter supplied with the spool must be attached to the baseplate of the camera.	
14,092	Adjustable Neck Strap for all Leicas	2.10
14,100	Table Tripod without ball-and-socket head	10.50
14,119	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 Heavy Duty Shoulder Strap with two tripod screws for use with camera and equipment with tripod screw receptacle	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
14,054	Synchro Outlet Cover for Leica Cameras MD, M1, M2, and M330
15,526	Synchro Outlet Cover for Leica MDa, M4 and the Leicaflex30



FLASH CONNECTION CABLES

FLASH CONNECTION CABLES FOR USE WITH LEICA MD, M1, M2 & M3 CAMERAS

98,341	6" Connecting cord with locking type camera nipple and standard plug (similar to 2-prong household plug) for electronic flash units	\$ 2.25
98,342	Same as #98,341 but 12" long	2.25
98,343	Same as #98,341 but 24" long	2.25
98,344	Same as #98,341 but 36" long	2.25
98,345	Same as #98,341 but 6' long	3.60
98,346	Same as #98,341 but 10' long	3.75
98,347	Same as #98,341 but 15' long	3.90
98,348	Coiled connecting cord with locking type camera nipple having a 4" coiled section that will extend to 24" with standard plug (similar to 2-prong household plug) for electronic flash units	4.80
98,349	Same as #98,348 but has 8" coiled section extending to 48"	5.10

FLASH CONNECTION CABLES FOR USE WITH LEICA MDa, M4 & LEICAFLEX CAMERAS

98,351	6" Connecting cord with locking type camera nipple and standard plug (similar to 2-prong household plug) for electronic flash units	2.25
98,352	Same as #98,351 but 12" long	2.25
98,353	Same as #98,351 but 24" long	2.25
98,354	Same as #98,351 but 36" long	2.25
98,355	Same as #98,351 but 6' long	3.60
98,356	Same as #98,351 but 10' long	3.75
98,357	Same as #98,351 but 15' long	3.90
98,361	Coiled connecting cord with locking type camera nipple having a 4" coiled section that will extend to 24" with standard plug (similar to 2-prong household plug) for electronic flash units	4.80
98,362	Same as #98,361 but has 8" coiled section extending to 48"	5.10

LEICAFLEX CAMERAS

The Leicaflex and the Leicaflex SL answer the demand for a system of single-lens reflex photography which has the same superb quality and the Leica rangefinder system. The Leicaflexes are eye-level 35mm reflex cameras featuring a virtually vibration free, instant return mirror, and rapidly interchangeable auto-aperture lenses that remain wide open when focusing and viewing, closing down to a preselected aperture as the picture is taken, and reopening instantly.

LEICALEX SL

The Leicaflex SL is the new model that incorporates through-the-lens light measurement, full field focusing, depth-of-field preview button and rapid almost automatic film loading. The Leicaflex SL can not be motorized. However late in 1968 the Leicaflex SL/MOT, a motorized version, will be available.

- 1/2000 of a second shutter speed
- Electronic flash synchronization up to 1/100 of a second
- Automatic resetting counter-counts backwards when rewinding
- ASA speeds 8-6400 coupled to the meter

LEICAFLEX

The Leicaflex is a less expensive model offer-

ing Leica quality with these features:

- Brilliant viewfinder and accurate focusing system
- 1/2000 of a second shutter speed
- Automatic resetting counter
- Electronic flash synchronization up to 1/100 of a second
- Built-in external coupled CdS meter

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 threaded into the front of the basic lens.

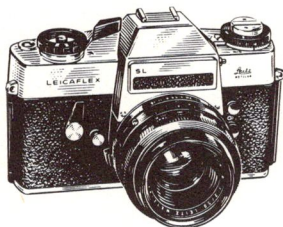
The Elpros retain the superb performance of the Leicaflex lenses in the close-up area and also permit the automatic diaphragm of the lenses to function. And, since they require no bellows extension, Elpro-close-up photography requires no increased exposure factors.

LEICA-TO-LEICAFLEX LENS ADAPTER

A Leica-to-Leicaflex adapter will permit the use on the Leicaflex and the Leicaflex SL lenses designed for the Leica Visoflex. It will also permit the use of the Leica Bellows II on these cameras.

LEICAFLEX CAMERAS

Catalog Number	Item	Retail Price
10,011	Leicaflex SL, without lens	\$465.00
10,012	Leicaflex SL, in black finish, without lens	498.00
10,228	Leicaflex SL, with 50mm Auto-Aperture Summicron-R f/2 lens, reversible lens hood and Series 6 Filter Retaining Ring	639.00
10,001	Leicaflex, without lens	384.00
10,218	Leicaflex, with 50mm Auto-Aperture Summicron-R f/2 lens, reversible lens hood and Series 6 Filter Retaining Ring	549.00
MOTOR DRIVE FOR LEICAFLEX SL		
14,077	Leicaflex Motor for use with Leicaflex SL/Mot only	621.00
10,013	Leicaflex SL/Mot, body only, black finish, for use with motor drive, catalog #14,077	570.00



LEICAFLEX & LENSES

LEICAFLEX LENSES

The Leicaflex lenses listed below are, with the exception of the 21mm, Catalog Number 11,803 for use on both model cameras — the Leicaflex and Leicaflex SL. See note below regarding modifying the previously offered Leicaflex R lenses for use with the Leicaflex SL.

Catalog Number	Item	Retail Price
11,803	21mm Super Angulon-R f/3.4 with lens hood. Uses Series 8 Filters in lens hood. This lens must be used with Optical Viewfinder #12,002 and cannot be used on the Leicaflex SL	\$303.00
12,002	Optical Viewfinder for 21mm lens #11,803	69.00
11,813	21mm Auto-Aperture Super Angulon-R f/4 lens. Its retrofocus design permits viewing and focusing through the lens	348.00
11,201	35mm Auto-Aperture Elmarit-R f/2.8 , complete with Series 6 Filter Retaining Ring, reversible lens hood and lens cap	207.00
98,000	45-90mm Angenieux-R f/2.8 lens , black finish, complete with lens hood that accepts series 8 filters	597.00
11,228	50mm Auto-Aperture Summicron-R f/2 , complete with Series 6 Filter Retaining Ring, reversible lens hood and cap	174.00
11,239	90mm Auto-Aperture Elmarit-R f/2.8 , complete with Series 7-filter Retaining Ring, built-in collapsible lens hood and lens cap	237.00
11,211	135mm Auto-Aperture Elmarit-R f/2.8 , complete with Series 7 Filter Retaining Ring, built-in collapsible lens hood and lens cap	273.00
11,919	180mm Auto-Aperture Elmarit-R f/2.8 lens with collapsible lens hood and lens cap and Series 8 Filter Retaining Ring	387.00

FORMER LEICAFLEX LENSES

The Leicaflex lenses previously offered do not properly activate the follow-pointer of the meter in the viewfinder, in the Leicaflex SL. These lenses may be modified to work with the Leicaflex SL.

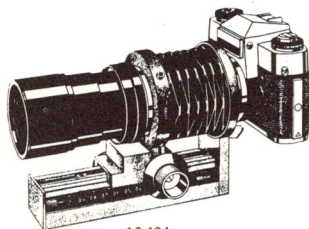
LEICA LENS ADAPTER

Note: The Leica lens adapter listed below carries a star designation after the catalog number. It can be used on both the Leicaflex and Leicaflex SL. The diaphragm simulator in this adapter is only used with the Leicaflex. It has no function when used with the Leicaflex SL. The adapter previously offered without the star does not properly activate the meter of the Leicaflex SL. The previous adapters without the star can be modified for the Leicaflex SL.

14,127*	Lens Adapter , adapts Leica lenses for Visoflex II and III as well as Bellows II to Leicaflex and Leicaflex SL. Lenses which require Adapter #16,466 for use on Visoflex II or Visoflex III will also require it for use with this Leicaflex lens adapter	36.00
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BELLOWS FOR THE LEICAFLEX

16,860	Leicaflex Focusing Bellows-R , for use with the Leicaflex and Leicaflex SL. Permits close-ups with all Leicaflex lenses without adapters, intermediate rings, etc.	129.00
11,230	100mm Macro-Elmar f/4 lens , complete with series 7 retaining rings for use with Leicaflex Focusing Bellows-R. Can be focused from infinity to a ratio of 1:1	159.00
16,494	Double Cable Release for Leicaflex Bellows-R	16.50

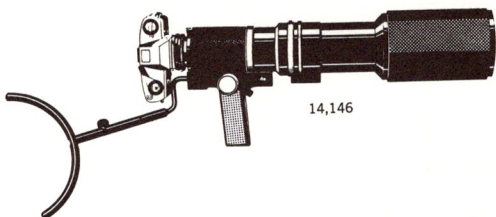


16,494

LEICAFLEX & LENSES

RAPID FOCUSING DEVICE TELEVIT

Catalog Number	Item	Retail Price
14,146	Televit-R Pistol Grip Rapid Focusing Device for long focus lenses for use on the Leicaflex and the Leicaflex SL	\$384.00
14,137	Iris Diaphragm Adapter with preset diaphragm for Televit rapid focusing device. This will accept the lens heads of the new Telyt 400mm f/5.6 or Telyt 560mm f/5.6	99.00
14,138	Bayonet Adapter for using lens heads of Telyt 280 mm and the discontinued 400 mm f/5 on Televit Rapid Focusing Device	9.00



THE FOLLOWING LENSES CAN ONLY BE USED WITH THE TELEVIT PISTOL GRIP RAPID FOCUSING DEVICE #14,146: PLUS DIAPHRAGM ADAPTER #14,137

11,866	Telyt 400mm f/5.6 lens head only, w/out diaphragm	129.00
11,867	Telyt 560mm f/5.6 lens head only, w/out diaphragm	207.00
11,901*	Telyt 280mm f/4.8 lens head only, with diaphragm	213.00

* Note: Requires only bayonet adapter #14,138.

LEICAFLEX & LENSES

ELPRO CLOSE-UP LENSES

Leicaflex Lens	ELPRO	Catalog Number And Price	Distance Scale Setting	Approx. Distance		Field covered (inches)	Reproduction ratio	Depth of Field (inches)		
				Subject to film	Subject to ELPRO			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	Vila	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	Vilb	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
	Vila	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

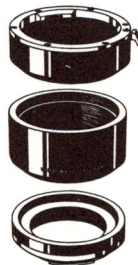
Focusing data are given for ∞ and the shortest engraved distance setting of the Leicaflex lenses. Since the lenses can slightly exceed these engraved settings, somewhat higher reproduction ratios can be obtained than are shown in this table. All figures are approximate, having been rounded off for convenience.

Catalog Number

Item

Retail Price

- 14,134 **Divisible extension ring** for close-up photography with Leicaflex and Summicron-R 50mm lens (object to film distance $8\frac{1}{2}$ to $9\frac{1}{16}$ inches, ratio 1:1.63 to 1:2.08) \$ 21.00
 (This consists of 2 rings, one which accepts the lens and other which fits into the camera. The latter rings must have a star engraved on it for use on the Leicaflex SL. Previous rings without the star can be modified for the Leicaflex SL.)
- 14,135 **Extension Tube** for 14,134 increasing lens extension so as to focus as close as $7\frac{1}{16}$ " ratio 1:1 (fits between two parts of ring 14,134) 6.00
- 14,139 **Divisible extension ring set, complete** (14,134 and 14,135) 27.00



14,139

NOTE: ELPRO lenses Via and Vib can be used on the 50mm Summicron-R lens, in addition to the extension rings to further reduce the working distance. Maximum ratio obtainable with ring plus ELPRO Vib combination 1.25:1.

LEICAFLEX LENS DATA

Lens	Super-Angulon-R f/4 21mm	Elmarit-R f/2.8 35mm	Summicron-R f/2.0 50mm	Elmarit-R f/2.8 90mm	Elmarit-R f/2.8 135mm	Elmarit-R f/2.8 180mm	Angeieux-R f/2.8 45 - 90mm
Description	Ultra-wide angle lens with extreme-large field of view	wide-angle lens	fast universal lens	medium long focal length	telephoto lens	fast telephoto lens	zoom lens
Angle of View:	92°	64°	45°	27°	18°	14°	51° - 27°
Number of Elements:	10	7	6	5	5	5	15
Filter Size:	8½	6	6	7	7	8	8
Smallest Aperture	22	22	16	22	22	16	22
Focusing Range:	∞ - 8"	∞ - 12"	∞ - 20"	∞ - 28"	∞ - 5'	∞ - 6'8"	∞ - 3'3"
Smallest Object field	approx. 6 x 8¾"	approx. 5¾ x 8½"	approx. 7¼ x 10¾"	5¾ x 8¼"	9¾ x 13¼"	8½ x 12¾"	approx. 8 x 12"
Lens hood	clip-on	clip-on, reversible	clip-on, reversible	built-in telescopic	built-in telescopic	built-in telescopic	clip-on

All seven lenses are finished in black, have non-rotating focusing mounts, fully automatic spring-back diaphragms with pre-set click stops (including half values).

LEICAFLEX ACCESSORIES

Catalog Number	Item	Retail Price
14,555	Eveready Carrying Case , brown leather, for Leicaflex and Leicaflex SL 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 and Leicaflex SL 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, or one 180mm lens, 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	78.00
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	51.00
14,819	Insert III for Universal Carrying Case III. Holds equipment described in Cat. #14,809 above	27.00
14,822	Leicaflex Combination Case , accommodating the following: A Leicaflex or Leicaflex SL Body with a 35mm, 50mm or 90mm lens in position. Also one 90mm or 135mm lens, coupled with 35mm or 50mm lens, or one 180mm lens. Below the Leicaflex with lens in position the following can be accommodated: A 50mm lens or Elpro close-up lenses or filters in containers or films.	42.00
14,094	Shoulder Grip for strap of Eveready case. Will fit carrying straps up to 1/2 inch wide	1.05
98,094	Shoulder Grip for strap of Universal Case	1.05

LENS CASES

14,616	Plastic Case for 35mm Elmarit-R f/2.8 or 50mm Summicron-R f/2 lens	2.70
14,618	Plastic Case for 90mm Elmarit-R f/2.8 lens	3.60
14,619	Plastic Case for 135mm Elmarit-R f/2.8 lens	3.60

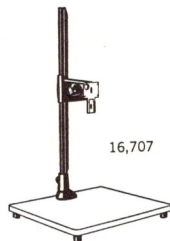
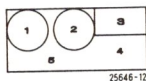
COPYING STAND

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 Leica Bellows Device II), Leica "M" cameras with Visoflex III (with or without Leica Bellows II), Leicaflex and Leicaflex SL with or without Bellows	90.00
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FILTERS SEE FILTER SECTION



14,805



LEICAFLEX ACCESSORIES

MISCELLANEOUS LEICAFLEX ACCESSORIES

Catalog Number	Item	Retail Price
14,612	Plastic Filter Box for Series 6 filters	\$1.05
14,614	Plastic Filter Box for Series 7, 8 and polarizing filters....	1.05
15,526	Synchro-Outlet Cover for Leicaflex flash outlets30
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 Heavy Duty Shoulder Strap with two tripod screws for use with camera and equipment with tripod screw receptacle	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, 100mm Macro-Elmar f/4 and 135mm Elmarit-R f/2.8 lens (as replacement)	2.40
14,165	Filter Retaining Ring, Series 8 for 21mm f/3.4 & 180mm lenses (as replacement)	7.20
12,511	Lens Hood for 21mm R f/3.4 lens (as replacement)	10.50
14,107	Front Lens Cap for 21mm R f/3.4 lens (as replacement)	2.10
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)	1.50
14,089	Front Lens Cap for 90mm, 100mm Macro-Elmar f/4 and 135mm Elmarit-R f/2.8 lenses. Fits over rim of built-in lens hood (as replacement)	1.80
14,166	Front Lens Cap for 180mm Elmarit-R lens (as replacement)	1.80
14,128	Mallory PX-625 (with white ring) for Leicaflex exposure meter (as replacement)75
14,162	Rear Lens Cap for Leicaflex lenses except 21mm f/3.4 lens	1.50
14,106	Rear Lens Cap for 21mm Super Angulon-R f/3.4 lens	3.30
14,103	Lens Opening Cover, plastic, for Leicaflex. (As replacement)	1.65

LEICAFLEX ACCESSORIES

FLASH CONNECTION CABLES FOR USE WITH LEICA MDA, M 4 & LEICAFLEX CAMERAS

<i>Catalog Number</i>	<i>Item</i>	<i>Retail Price</i>
98,351	6" Connecting cord with locking type camera nipple and standard plug (similar to 2-prong household plug) for electronic flash units	\$ 2.25
98,352	Same as #98,351 but 12" long	2.25
98,353	Same as #98,351 but 24" long	2.25
98,354	Same as #98,351 but 36" long	2.25
98,355	Same as #98,351 but 6' long	3.60
98,356	Same as #98,351 but 10' long	3.75
98,357	Same as #98,351 but 15' long	3.90
98,361	Coiled connecting cord with locking type camera nipple having a 4" coiled section that will extend to 24" with standard plug (similar to 2-prong household plug) for electronic flash units	4.80
98,362	Same as #98,361 but has 8" coiled section extending to 48"	5.10

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 2, M 3, or M 4 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 and MR meter	\$24.00
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"	21.00
14,538	Soft Leather Eveready Case with Zipper, without strap, for Leica M4, M3 and M2 with 50mm lenses (requires neck strap #14,092)	14.40
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	1.05

LEITZ COMBINATION CASES

14,820	Combination Case, for Leica M 2, M 3 or M 4 and 35, 50 and 90mm or 35, 50 and 135mm lenses. Lens coupling ring #98205 included	42.00
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 35mm 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)	78.00
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)	78.00



14,526



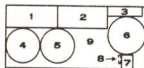
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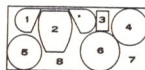
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14,808



14,808

LENS & ACCESSORY CASES

COMPONENT PARTS LEITZ COMBINATION CASES

<i>Catalog Number</i>	<i>Item</i>	<i>Retail Price</i>
14,815	Universal Carrying Case III, without insert	51.00
14,817	Insert I for Universal Carrying Case III	27.00
14,818	Insert II for Universal Carrying Case III	27.00
98,094	Shoulder Grip for strap of Universal Case	1.05

LENS CASES



Plastic Cases

14,627	Leather Case for Optical Viewing Unit of Dual-Range 50mm Summicron	\$ 5.10
14,603	Plastic Case for "M" bayonet-mounting 21mm Super Angulon lenses	3.00
14,624	Plastic Case for "M" bayonet-mounting 35mm and 50mm lenses without viewing unit	3.00
14,623	Plastic Case for "M" bayonet-mounting 90mm Tele-Elmarit, Elmar and collapsible lenses	3.00
14,609	Plastic Case for "M" bayonet-mounting 90mm Elmarit lenses	3.60
14,608	Plastic Case for "M" bayonet-mounting 135mm Tele-Elmar, Elmar and Hektor lenses	3.60

FILTER CASES

14,612	Plastic Filter Box with slide-in groove for filter sizes E 39, E 41, E43 and Series 6	\$ 1.05
14,614	Plastic Filter Box with slide-in groove for filter sizes E48, E58, series 7 & 8 and Leicaflex polarizing filters	1.05

FINDER CASES

14,617	Leather Case for 21mm or 28mm Optical Bright-Line viewfinder	2.70
14,620	Leather Case for 35mm optical bright-line viewfinder	2.70
14,625	Leather Case for 50mm optical bright-line viewfinder	2.70
14,630	Leather Case for 85mm, 90mm or 135mm Optical Bright-Line viewfinder	2.70

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-4, 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-4 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.

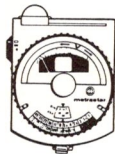
The Leica-Meter 3 is a small and handy selenium-cell meter which can be slipped into the accessory shoe of any Leica (and most other cameras) but which does not couple to the shutter dial. It can also be carried and used off the camera, and comes with a carrying chain and retainer plate for off-camera 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
14,217	Leica Meter MR-4, 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
14,218	Leica-Meter MR-4 in black finish, otherwise same as #14,217	54.00
14,210	Leica Meter MR same as #14,217 but couples to all M models but 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



14,217



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, 4 and Metrastar exposure meters (as replacement)75
14,012	Shoe for mounting Leica Meters (except models "M", "MC", "MR" and "MR-4") 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 precise, 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.

FILTERS FOR LEICA LENSES	FILTER/ FACTORS	A-36**		E-39**		E-41**		S-43**		E-48**		E-58**		E-85**	
		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; 135mm Elmar f/4 135mm Tele-Elmar f/4		35mm Summilux* 50mm Summarit 65mm Elmar		50mm Summilux		21mm Super Angulon f/3.4; 28mm Elmarit f/2.8; 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		SCREW-IN	
Yellow O (light)	1.5	13,000	\$ 7.50	13,081	\$ 8.40	13,155	\$10.20			13,290	\$10.80	13,230	\$15.60	13,291	\$29.10
Yellow I (medium)	1.5 — 2			13,086	8.40	13,160	10.20	13,161	\$10.20	13,295	10.80	13,235	15.60	13,296	29.10
Yellow-Green (medium)	2 — 3	13,015	7.50	13,096	8.40	13,170	10.20	13,171	10.20	13,305	10.80	13,245	15.60	13,306	29.10
Blue (medium)	1.5	13,020	7.50	13,098	8.40	13,172	10.20	13,173	10.20	13,307	10.80				
Orange (medium dark)	3 — 5	13,025	7.50	13,101	8.40	13,175	10.20	13,176	10.20	13,310	10.80	13,250	15.60	13,311	29.10
Red (dark)	6 — 25			13,116	8.40	13,190	10.20	13,191	10.20	13,315	10.80	13,255	15.60	13,316	29.10
Infrared (dark)	6 — 100 ²	13,050	7.50	13,126	8.40	13,200	10.20	13,196	10.20	13,325	10.80	13,265	15.60	13,326	29.10
UVa Absorption (colorless)	1.2	13,055	7.50	13,131	8.40	13,205	10.20	13,206	10.20	13,330	10.80	13,270	15.60	13,331	29.10
Photoflood		13,065	9.00	13,141	9.90										
Type "A"		13,060	9.00	13,136	9.90	13,215	10.80	13,218	10.80	13,335	12.90	13,275	18.60		
Flash		13,070	9.00	13,146	9.90	13,225	10.80	13,228	10.80	13,345	12.90	13,285	18.60		
Skylight		13,075	9.00	13,151	9.90	13,220	10.80	13,221	10.80	13,340	12.90	13,280	18.60		
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; serial numbers above 2166700 accept series 7 filters in lens hood and Polarizing Filter # 13352.

† 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.

SERIES NO.	FILTER ¹ FACTORS	35mm Elmarit-R f/2.8 50mm Summicron-R f/2		21mm Super Angulon f/3.4 ¹ 28mm Elmarit f/2.8 ¹ 35mm Summilux f/1.4 ¹ 90mm Elmarit-R f/2.8 135mm Elmarit-R f/2.8 135mm Elmarit f/2.8 400mm Telet f/5.6 ¹ 560mm Telet f/5.6 ¹		21mm Super Angulon-R f/3.4 ¹ 50mm Noctlux f/1.2 100mm Elmarit-R f.2.8		21mm Auto — Aperture Super Angulon-R f/4	
		6	7	8	8½				
YELLOW	2	13,013	\$ 9.60	13,006	\$10.80	13,019	\$15.00	13,022	\$24.00
YELLOW-GREEN	2-3	13,014	9.60	13,007	10.80	13,021	15.00		
ORANGE	3-5	13,011	9.60	13,008	10.80	13,017	15.00	13,023	24.00
U V A	1.2	13,012	9.60	13,009	10.80	13,018	15.00		
NEUTRAL-GREY	4					13,016	15.00		

* Lenses above 2166700 accept series 7 filter in lens hood. Lenses below 2166701 use E-41 filters.

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

2. Lens Hood accepts series filters. E-48 filters may also be used, except for 21mm Super Angulon-R f/3.4 lenses.

3. Fits in filter slot of Televit mount.

POLARIZING FILTERS FOR LEICAFLEX LENSES

Catalog Number	Item	Retail Price
13,358	Polarizing (Filter Factor 2.5-3 see note #1) for 35 and 50mm Leicaflex Lenses	\$28.50
13,359	Polarizing (Filter Factor 2.5-3 see note #1) for 90 and 135mm Leicaflex Lenses**	30.00

Note 1: For Panchromatic Films: Factor will vary with light source.

**Will also fit 135mm Elmarit f/2.8 lens for Leica M Cameras.

REPLACEMENT PARTS FOR SERIES FILTERS

Catalog Number	Item	Retail Price
14,160	Filter retaining ring for Leica, Leicaflex and Leicina lenses, accepting series 6 filters	\$ 2.40
14,161	Filter retaining ring for Leica, Leicaflex and Leicina lenses accepting series 7 filters	2.40
14,165	Filter Retaining Ring for Leica, Leicaflex and Leicina lenses, accepting series 8 filters	7.20

SERIES FILTERS

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.







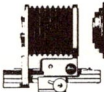








Also available for the Visoflex are a number of simple and inexpensive extension tubes which are used with certain Leica lenses to extend focusing into the realm of close-up photography. They do not require the use of the Bellows, and so, necessarily, do not offer as wide a focusing range as does the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

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

VISOFLEX CLOSE-UP; BELLOWS II

VISOFLEX CLOSE-UP ADAPTERS AND

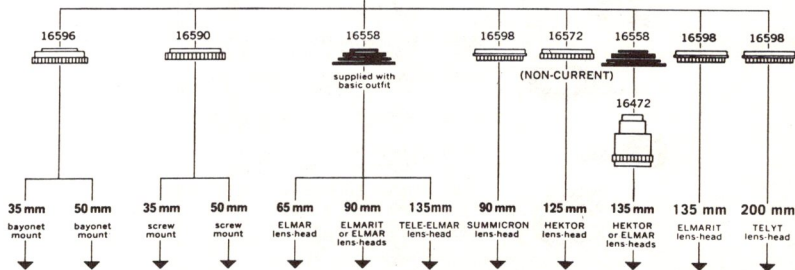
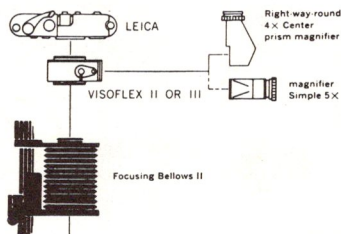
(The Visoflex is listed in a separate section)

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	\$42.00
16,471	 Extension Tube for lens unit of 90mm Elmarit f/4, 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
16,469	 Tube to thread into Bellows II, permitting use of the lens-heads of the 135mm Elmar or Hektor on Bellows II	6.00
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"	3.00
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, 65mm Elmar and 135mm Tele-Elmar	112.50
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
16,762	 Adapter fitting lens units of 50mm Dual-Range and rigid-mount Summicron lenses to Bellows. Used with Adapter Ring #16,590	3.60
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

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

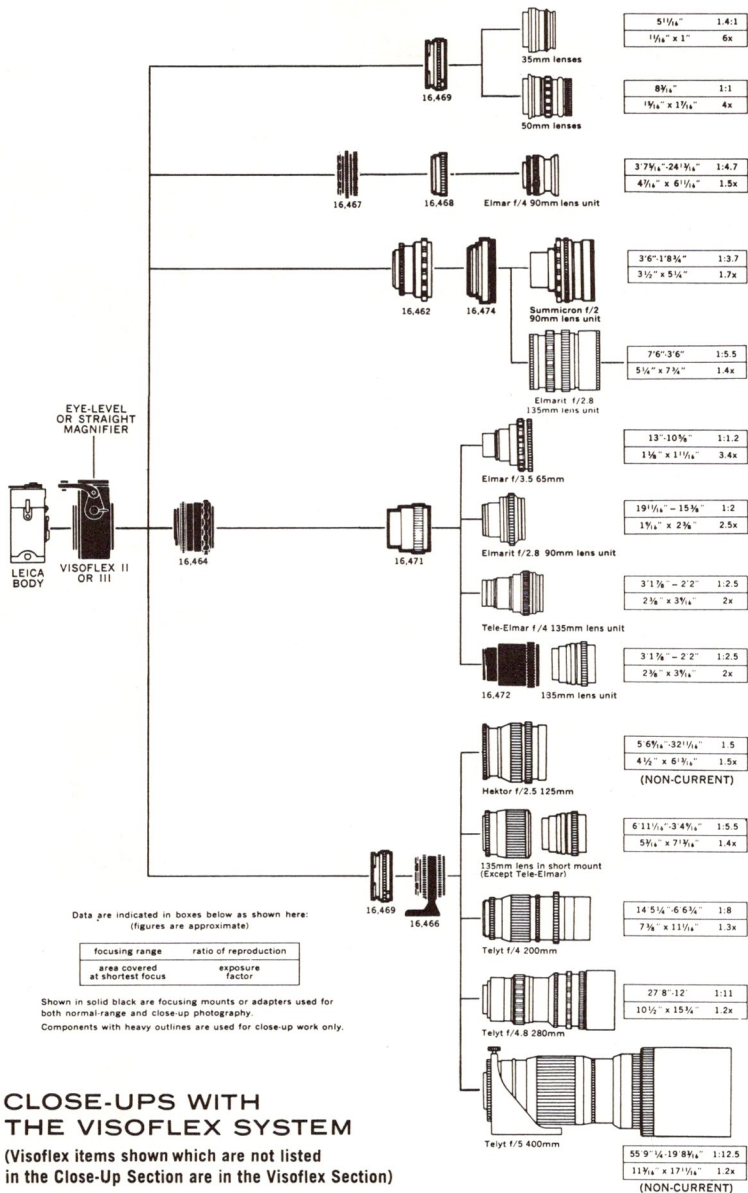
THE EXTREME VERSATILITY OF THE FOCUSING BELLOWS II

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.



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 1:1.17 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.



CLOSE-UPS WITH THE VISOFLEX SYSTEM

(Visoflex items shown which are not listed in the Close-Up Section are in the Visoflex Section)

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 f/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	4.50
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

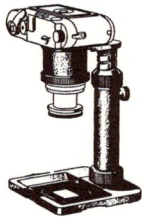
COPY STANDS, FIXED RATIOS

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	\$54.00
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 f/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 1/8" x 5 3/4", 5 3/4" x 8 1/4" and 8 1/4" x 11 1/8"	58.50



16,511



16,526

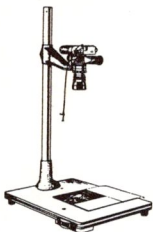
COPY STANDS, VARIABLE RATIOS

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

<i>Catalog Number</i>	<i>Item</i>	<i>Retail Price</i>
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

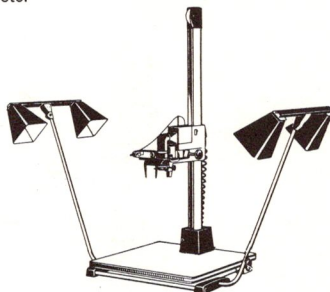
Catalog
Number
16,789

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

Retail
Price

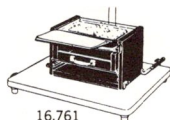
\$1080.00



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	147.00
16,773	Illuminating Box , 16x17½", with line-cord and glass plate to keep film sheets flat	144.00
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	58.50
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
98,210	Fluorescent Tube , 24" General Electric 20 Watt F20 T12/WWX for #16,773	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 $\frac{1}{3}X$ or $\frac{1}{2}X$. These produce a magnification on the film that is $\frac{1}{3}$ rd or $\frac{1}{2}$ 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	\$207.00
17,006	Micro Ibsso with bayonet-mounting 1/2X conical correction tube and two cable releases	211.00
17,026	Interchangeable Conical Tube (1/3X), with bayonet mount, for Micro Ibsso	25.00
17,033	Interchangeable Conical Tube (1/2X), with bayonet mount, for Micro Ibsso	29.00

ACCESSORIES FOR PHOTOMICROGRAPHY

Catalog Number	Item	Retail Price
14,067	Cable Release (10 inches) with locking screw for bayonet-mounting models	1.95
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	20.00

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						

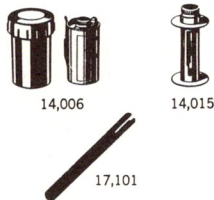
PROCESSING EQUIPMENT

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.

Catalog Number	Item	Retail Price
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

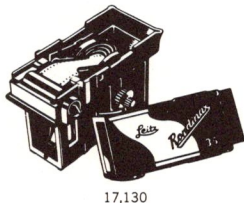
By processing your own films, you guarantee that they get careful development. What's more, you can choose from among scores of developers, experiment, exercise creative control over your negatives every step of the way.

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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FOCOMAT 1c

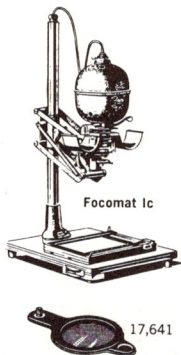
Only by making enlarged prints can you bring out the full beauty and rich detail of a Leica negative. But it is vital that your enlarger be as precise as the Leica itself. A poorly made enlarger or a questionable enlarging lens can destroy the potential of even the most highly corrected camera lenses.

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 1c AUTOFOCUS ENLARGER

The Focomat 1c 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 1c 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 1c AUTOFOCUS ENLARGER		
17,601	Focomat 1c Enlarger without lens, filter or easel	\$298.50
17,600	Focomat 1c Enlarger complete with 50mm Focotar f/4.5 lens, Orange Filter and 8 x 10 inch Enlarging Easel	412.50
17,602	Focomat 1c 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 1c Enlarger with 22 x 25 inch baseboard and upright 47 inches high, but without lens, filter or easel	312.00
17,626	Focomat 1c 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 1c	4.50
17,636	Filter Holder for Focomat 1c. Accepts filters for use with variable contrast enlarging papers	9.90

FOCOMAT ACCESSORIES



17,581



17,675



17,671



17,672

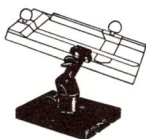


17,670



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 Reprovit IIa to Focotar lens #17,581 | 4.50 |
| 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) | 5.10 |
| 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 | 18.00 |
| 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" | 10.50 |
| 17,655 | Perspective Corrector for Valoy II or Focomat Ic. Complete with Tilting Negative Carrier Holder, Hinged Negative Carrier and Tilting Easel Holder | 97.50 |
| 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 | 39.00 |
| 17,645 | Hinged Negative Carrier supplied with Perspective Corrector. A glass and metal sandwich with 24 x 36mm aperture fitting Tilting Negative Carrier Holder | 13.50 |
| 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 | 45.00 |
| 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

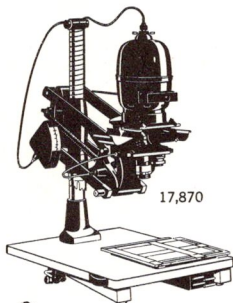
17,514	Negative Carrier for 8 x 11mm (Approx. 5/16" x 7/16") negatives	\$8.25
17,517	Negative Carrier for 12x17mm (Approx. 1/2" x 3/4") negatives	8.25
17,516	Negative Carrier for 18 x 24mm (Approx. 11/16" x 15/16") negatives	8.25
17,521	Negative Carrier for 24 x 24mm (Approx. 15/16" x 15/16") negatives	8.25
17,526	Negative Carrier for 24 x 36mm (Approx. 15/16" x 1-13/32") negatives	8.25
17,642	Negative Carrier for 28x28mm (Approx. 1 3/32" x 1 3/32") negatives	8.25
17,531	Negative Carrier for 3 x 4cm (Approx. 1-3/16" x 1-9/16") negatives	8.25
17,536	Negative Carrier for 4 x 4cm (Approx. 1-9/16" x 1-9/16") negatives	8.25
17,540	Metal Negative Mask. Used with Hinged Double Glass Plate #17,545	3.30
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	9.00
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	9.60
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

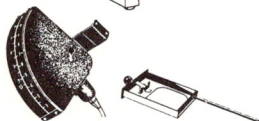
FOCOMAT IIc

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.

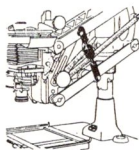


17,870

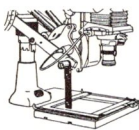


17,862

17,864



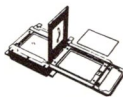
17,861



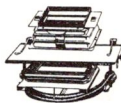
16,617



17,876



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 25 inch baseboard, 3½ inch upright, double condenser, illuminated magnification indicator and special holder for color filters	\$1044.00
17,862	Magnification Indicator , internally illuminated	33.00
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	996.00

ACCESSORIES FOR THE FOCOMAT IIc ENLARGER

17,861	Auxiliary Focusing Device for 1:1 reduction using 100mm V-Elmar f/4.5 lens and Repto 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.)	21.00
16,615	Repto 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	4.80
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	48.00
17,875	Orange Filter for Focomat IIc	3.60
17,880	Copying Cassette . Replaces film holder during copying	123.00
17,885	Perspective Corrector for Focomat IIc. Complete with Tilting Negative Carrier Holder and Tilting Easel Holder	132.00
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	\$2.70
17,899	Negative Masking Plate for 18x24mm (Approx. 11/16" x 15/16") size	2.70
17,887	Negative Masking Plate for 24 x 24mm (Approx. 15/16" x 15/16") size	2.70
17,898	Negative Masking Plate for 26x26mm (Approx. 1 1/32" x 1 1/32") negatives	2.70
17,888	Negative Masking Plate for 24 x 36mm (Approx. 15/16" x 1-13/32") size (as replacement)	2.70
17,889	Negative Masking Plate for 3 x 4cm (Approx. 1-3/16" x 1-9/16") size	2.70
17,890	Negative Masking Plate for 4 x 4cm (Approx. 1-9/16" x 1-9/16") size	2.70
17,891	Negative Masking Plate for 4.5 x 6cm (Approx. 1-13/16" x 2-3/8") size	2.70
17,892	Negative Masking Plate for 4 x 6.5cm (Approx. 1-9/16" x 2-9/16") size	2.70
17,893	Negative Masking Plate for 6 x 6cm (Approx. 2-3/8" x 2-3/8") size (as replacement)	2.70

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	46.50
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	114.00

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.

In addition to books, there are the inspiring pictures and articles and the lively reports of new materials, techniques and products found in the magazines "Leica Photography" and "Leica Fotografie". These bring you regularly the best current work from all over the world, presented exclusively in terms of the Leica and its accessories.

Leica Photography is published by E. Leitz, Inc., New York. For details, write to:

Registration Department
E. Leitz, Inc.
468 Park Ave. S.
New York, N. Y. 10016

An English edition of the German bi-monthly Leica Fotografie is distributed in the U.S. and its possessions by E. Leitz, Inc. Subscription prices are:

1 year (6 issues)	\$ 4.50
2 years (12 issues)	8.25
3 years (18 issues)	12.00

Note: When you order Leica Fotografie, please order it separately and not with merchandise. This will expedite its delivery.

BOOKS

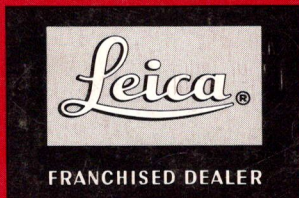
More books have been published, in English and foreign languages, on the Leica and its use than on any other camera. The more outstanding of these are listed here.

<i>Catalog Number</i>	<i>Item</i>	<i>Retail Price</i>
98,008	Leica & Leicaflex Way by Andrew Matheson.	\$10.50
98,009	Leicaflex Guide , by Andrew Matheson	2.25
98,029	The Leicaflex Book by Theo Kisselbach	9.60
98,028	" Leica Book " by Theo Kisselbach. This new, comprehensive book by the Director of the Department of Leica Technique at Leitz/Wetzlar, is a beautifully printed, hard cover book of 320 pages. It has innumerable black and white photographs and diagrams plus 16 pages of color	9.60
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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BINDOMAT®	FOCOSLIDE®	PERFLEKTOMETER®
CINOVID®	HEKTOR®	PRADOVIT®
CLASSIMAT®	LEICA®	REPROVIT®
COLORPLAN®	LEICAFLEX®	SIMPLEX®
DYGON®	LEICA-METER®	SUMMARON®
E. LEITZ, INC.®	LEICA PHOTOGRAPHY®	SUMMICRON®
E. LEITZ WETZLAR®	LEICINA®	SUMMILUX®
ELCAN®	LEITZ®	TERICAN®
ELMAR®	ORTHOLUX®	TRINOVID®
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