

1959

Leica[®]

PHOTOGRAPHIC
EQUIPMENT

YOUR FRANCHISED LEICA DEALER

The cameras, lenses, and other merchandise you will find in this catalog are sold only through Franchised Leica Dealers. These dealers are prepared to perform many services for you, and so we would like you to know more about them and their relationship with us.

The Leica franchise is held by about 1400 out of a total of over 10,000 photographic dealers throughout the United States. A Leica franchise is granted to a dealer only after consideration of the following factors:

- (a) his integrity,
- (b) his knowledge of the Leica and its wide selection of accessories,
- (c) his willingness to keep a selection of Leica models, parts, and accessories on hand for your convenience.

We urge you to get acquainted with your local Leica dealer. He can give you many tips on how to get the most out of your Leica and on photography in general.

We wish also to say a word about the retail prices set forth in this catalog. These prices have been established at the lowest level consistent with Leica's unequalled quality. They are covered by fair trade laws where applicable. Fair trading has been established to assure your dealer of a reasonable profit margin (the lowest in the photographic industry, incidentally) and make it possible for him consistently to give you excellent service.

Because of the reputation and the popularity of the Leica, some dealers who do not hold a Leica franchise attempt to handle Leica merchandise. As new, legally imported Leica merchandise is sold only through Franchised Leica Dealers, Leica merchandise obtained by non-franchised dealers is second-hand, and sometimes has been obtained through illegal channels. To be certain that you are getting new, legally imported merchandise, be sure to buy it from a store that displays the sign of a Franchised Leica Dealer. When you buy from him a new Leica camera or lens you are sure it is new as he will give you both a Leitz import certificate and a Leitz registration card which positively identify the equipment by serial number. Upon the return of the registration card to E. Leitz, Inc. you will receive a guarantee certificate, which is confirmation that you are the original purchaser.

Not only is the Franchised Leica Dealer the only legitimate source of new Leica merchandise but also he is the best source for used Leica merchandise. Leica cameras and accessories are built to give many years of satisfactory service. Consequently, Leica equipment commands a high value for trade-in or resale purposes, and if the equipment has not been abused, it will continue to give excellent results for many years. However, it is recommended that used equipment be purchased only from your regular Franchised Leica Dealer. You can have confidence in what he tells you concerning its age, and you can look forward to cheerful and helpful service in the years to come.

Your Franchised Leica Dealer



proudly displays this sign

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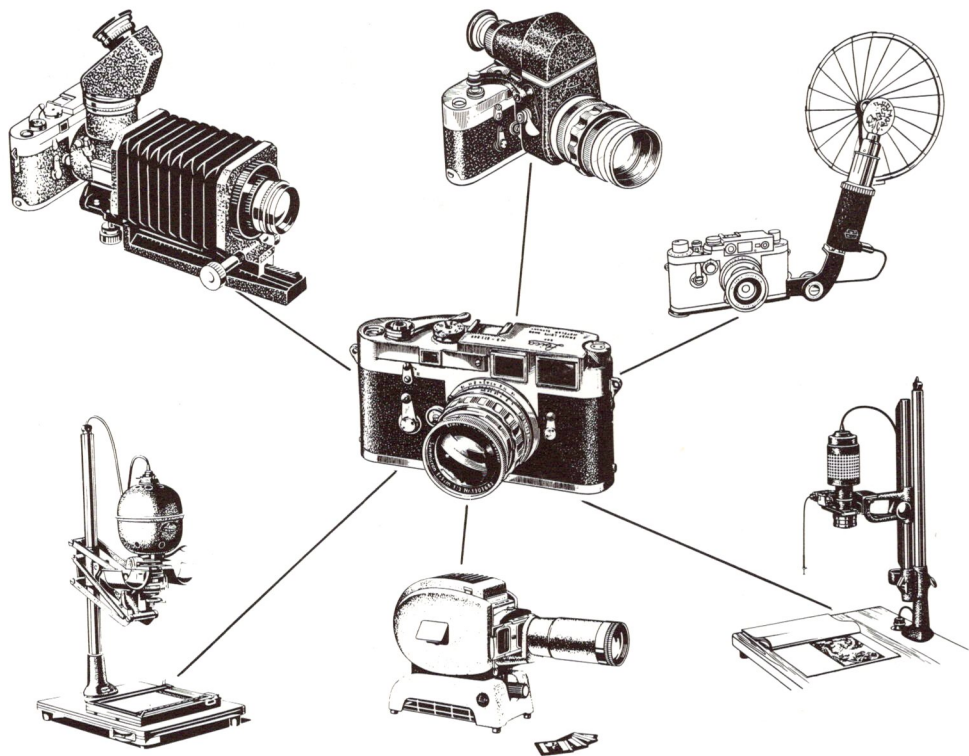
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THE *Leica* **SYSTEM** . . . key to perfect pictures

Photography means something different to every photographer. To the young mother it means snapshots or color slides of the children. To the advanced amateur it means creative picture-making. To the news photographer it means pictures that say "this is how it was." To the commercial and industrial photographers it means dramatizing industry and the products of industry.

Can one camera meet so many diverse needs? While no one camera is best for every conceivable photographic job, the 35mm camera has proven itself the most versatile single type for most photographic work. And among 35mm cameras, the Leica has been the accepted standard of precision and versatility for 35 years.

Versatile Accessories

Soon after the first Leica appeared in 1925, its designers began to evolve a series of ingenious and marvellously precise accessories. Over the decades, these have been refined and increased in number until today the Leica is used by photographers in every field.

Among the Leica accessories are devices for close-up work, macrophotography, and photomicrography. With them you can copy rare manuscripts, do ophthalmological, medical and dental photography, make life size or larger pictures of plants or insects. The Leica can make a portrait of the moon or of a microbe. With it, you are the most versatile of photographers!

Lenses for Any Job

The versatility of the Leica is based on its selection of superb interchangeable lenses. Leica owners can choose among a wide array of critically sharp, highly corrected lenses with focal lengths from 21mm to 400mm. Such lenses give complete control of perspective, angle of view, image size. And they are available with apertures that range from standard to ultra-high speed. Leica lenses make you the master of any picture situation.

A true system of photography does not stop with top quality lenses and cameras. For, a sparkling negative is only one step toward the final goal—the print. So, to bring your pictures to full perfection, a wide selection of darkroom equipment is also a part of the Leica System of Photography. Daylight developing tanks, contact printers, enlargers, and other darkroom accessories are available to you. And each is designed and manufactured with the same precision lavished on the Leica itself. There are also many other components in the Leica System — filters, exposure meters, lens hoods, carrying cases, to name a few. Each is planned to add further to the ease and convenience of photography with the Leica.

(Slide projectors are also an important part of the Leica System. They are described in a separate catalog, available on request.)

CAMERAS

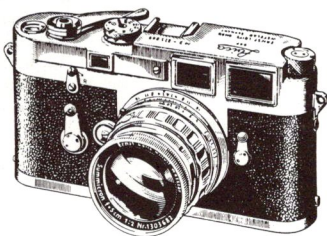
When the first Leica was introduced in 1925, a new era in photography began. Today, with 35mm photography more popular than any other type, the Leica is a symbol for all that is first and best in design, performance, and workmanship. For, Leica designers have made the camera almost as easy to use as your eyes.

Whether your interest in photography is casual or deep, amateur or professional, one of the Leica camera models will serve it perfectly. Any Leica you choose will give you a lifetime of service, pride, and pleasure.

LEICA M 3

The most advanced Leica model is the renowned M 3. It is the camera of the world's most famous photographers. Yet, its automatic features make it simple enough for beginners to use with expert skill.

The single-window range- and viewfinder of the M 3 shows a life-size image with built-in luminous-frame finders for 50mm, 90mm, and 135mm lenses. And, with the "RF" Summaron on the M 3, you see the proper wide-angle field for this 35mm lens. The proper frame appears automatically as you attach the lenses to the camera. Parallax compensation is *automatic* as you focus the lens. Thus, the M 3 offers built-in parallax-free focusing and framing throughout the entire focusing range of each of four lenses. A special frame selector permits you to "pre-view" the 50mm, 90mm, and 135mm fields before actually attaching the lens. The large range-finder area in the center of the viewfinder field can be used as either a coincident or split-image type.



Leica M3 with Rigid 50 mm Summicron f/2 Lens

A single click-stop dial controls shutter speeds from 1 second to 1/1000 second, including "Bulb." Speeds are in geometric sequence (1 sec., 1/2 sec., 1/4 sec., 1/8 sec., etc.) so that each gives exactly twice or one-half the exposure of the setting above or below it. This matches the effect of changing apertures at one-stop intervals and provides exact correlation between lens and shutter speeds. The shutter dial can be set either before or after winding the shutter, and intermediate speeds can be accurately set from 1/60 sec. to 1/1000 sec. Flash synchronization for both conventional and electronic flash is *automatic*.

The accessory Leica-Meter "MC" couples to the shutter speed dial and *automatically* adjusts the shutter speed as you line up the selected aperture with the indicator needle.

The rapid-advance lever of the M 3 advances the film and *automatically* winds the shutter for the next exposure at the same time. The exposure counter resets itself to zero *automatically* and the rewind lever moves to "advance" position *automatically* as you load a fresh film into your camera. A built-in self-timer provides a variable delay between 5 and 10 seconds, so that you can get into the picture yourself, if you wish.

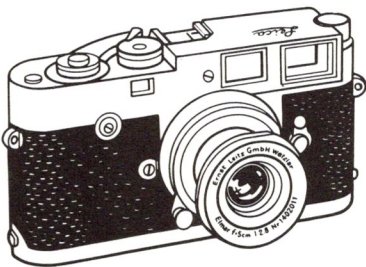
Catalog Number	Code Word	Item	Retail Price
10,150	IGEMO	Leica M 3 without lens	\$270.00*
10,155	IMARO	Leica M 3 with 50mm Elmar f/3.5 lens.	321.00*
10,157	IMOLO	Leica M 3 with 50mm Elmar f/2.8 lens.	330.00*
10,180	ISUMO-S	Leica M 3 with rigid 50mm Summicron f/2 lens	399.00*
10,185	ISUMO-N	Leica M 3 with Dual-Range 50mm Summicron f/2 lens and Optical Viewing Unit	438.00*
10,167		Leica M 3 with 50mm Summilux f/1.4 lens . . .	468.00*

*Including Federal Manufacturer's Excise Tax.

LEICA M 2

The Leica M 2 is a companion camera to the M 3, with features designed for photographers whose needs vary somewhat from those of M 3 users. The single-window, combination range- and viewfinder system of the Leica M 2 has built-in bright-line frames for 35mm wide-angle, 50mm standard, and 90mm long-focus lenses.

Parallax compensation is *automatic* throughout the focusing range of all three lenses, and a frame selector similar to that of the M 3 permits pre-selection of the proper lens for the job. Unique indicator "tabs" on the top and bottom of the M 2 rangefinder field are used to check quickly which subject areas are within the depth of field of the most-used lenses at specific apertures. The top "tab" checks 50mm field depth at $f/16$, and 35mm field depth at $f/5.6$. The bottom "tab" is for 50mm lenses at $f/5.6$ and is well within the depth of field limits of 35mm lenses at $f/3.5$. The M 2 like the M 3, has automatic synchronization for all types of flash. Shutter speeds are from 1 second to 1/1000 second and "Bulb." The M 2 accepts all bayonet-mount Leica lenses and M 3 accessories except earlier bayonet-mounted 35mm wide-angle lenses.



Leica M 2 with 50mm Elmar $f/2.8$ lens

A "universal" rapid advance lever permits the M 2 user to advance film and wind the shutter with as few or as many strokes as he pleases—one, two, or more.

The Leica M 2 will accept a new model of the Leicavit Rapid winder (when available) for those who prefer baseplate winding and film advance. Film rewinding is controlled by depressing a button, which returns to the "advance" position automatically when released. The M 2's exposure counter is set by hand at the start of each roll of film.

Catalog Number	Code Word	Item	Retail Price
10,300	KOOHE	Leica M 2 without lens	\$216.00*
10,305		Leica M 2 with 35mm Summaron $f/3.5$ lens	298.50*
10,303		Leica M 2 with 35mm Summaron $f/2.8$ lens	321.00*
10,301		Leica M 2 with 35mm Summicron $f/2$ lens	390.00*
10,355	KEZOO	Leica M 2 with 50mm Elmar $f/3.5$ lens	267.00*
10,357	KIHOO	Leica M 2 with 50mm Elmar $f/2.8$ lens	276.00*
10,380	KIOL	Leica M 2 with 50mm rigid Summicron $f/2$ lens	345.00*
10,385	KNOOC	Leica M 2 with Dual-Range 50mm Summicron $f/2$ lens and Optical Viewing Unit	384.00*
10,367		Leica M 2 with 50mm Summilux $f/1.4$ lens	414.00*

*Including Federal Manufacturer's Excise Tax.

Leica M 1

The new Leica M 1 has the same precision as the M 3 and M 2 but lacks some of the automatic features of these models. It is an inexpensive yet flexible camera with a parallax-corrected viewfinder for 35 and 50mm lenses, speeds from 1 second to 1/1000th and "Bulb," but without range-finder, self-timer or frame selector. Flash synchronization is automatic, like that in the M 3 and M 2. The M 1 accepts bayonet-mounted lenses.

Catalog Number	Code Word	Item	Retail Price
10,120	KOOC	Leica M 1 without lens	\$144.00*
10,122		Leica M 1 with 35mm Summaron f/3.5 lens . .	226.50*
10,125	KOEU	Leica M 1 with 50mm Elmar f/2.8 lens	204.00*

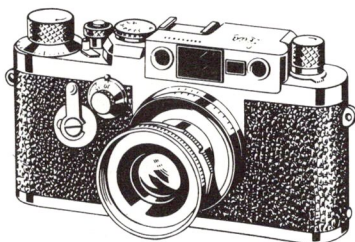
LEICA IIIg

The Leica IIIg has many features which give it outstanding performance. Its shutter speeds run from 1 second to 1/1000th second, "Time" and "Bulb". They are in geometric sequence—each gives half or double the exposure time of the one next to it on the dial. This correlates with the aperture stops, since each stop admits half or twice the light of the stop next to it.

The bright-line frame viewfinder of the IIIg shows the field of 50mm lenses. Within the 50mm field, four bright "corners" mark the field of 90mm lenses. Parallax compensation for both fields is *automatic* throughout the entire normal focusing range of lenses. The built-in range-finder couples automatically to the lenses and magnifies the image 1.5X for extreme accuracy in focusing. Its eyepiece is alongside the viewfinder eyepiece in a twin mount.

As in the M 3 and M 2, flash synchronization for both electronic units and flash bulbs is *automatic* in the IIIg. There are no dial settings to make. When you set the shutter speed, synchronization is set automatically.

All screw-mounting lenses available for previous Leica models will fit the IIIg; many accessories, including the famous Leicavit Rapid Winder are available for it. However, earlier models of the Leica cannot be converted into the IIIg.



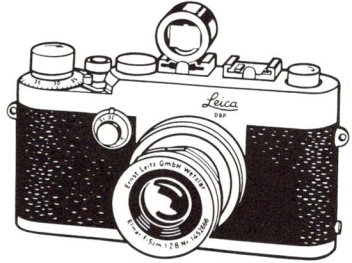
Leica IIIg with 50 mm Elmar f/2.8 Lens

Catalog Number	Code Word	Item	Retail Price
10,250	GOEF	Leica IIIg without lens (16.25 ozs.)	\$163.50*
10,252	GOCE	Leica IIIg with 50mm Elmar f/3.5 lens	214.50*
10,255	GOEL	Leica IIIg with 50mm Elmar f/2.8 lens	223.50*
10,261	GOOM	Leica IIIg with collapsible 50mm Summicron f/2 lens	292.50*
10,265	GMOA	Leica IIIg with 50mm Summarit f/1.5 lens . . .	262.50*

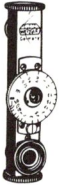
*Including Federal Manufacturer's Excise Tax.

LEICA Ig

The Ig is the "basic" camera of the line, offering Leica precision and versatility at a modest price. The Ig has a full range of shutter speeds from 1 second to 1/1000th, "Time" and "Bulb". It also features automatic built-in flash synchronization for both conventional and electronic flash units. Since it was designed with industrial and scientific photographers in mind, it does not have built-in range—or viewfinders. But it is also ideal for the beginner who must budget, yet who wants top quality right from the start. For general photography, you can add a separate viewfinder and rangefinder to the Ig. Or, you can have it converted to a IIIg as your needs increase, to include built-in range—and viewfinders and a self-timer.



Leica Ig with 50 mm Elmar f/2.8 Lens



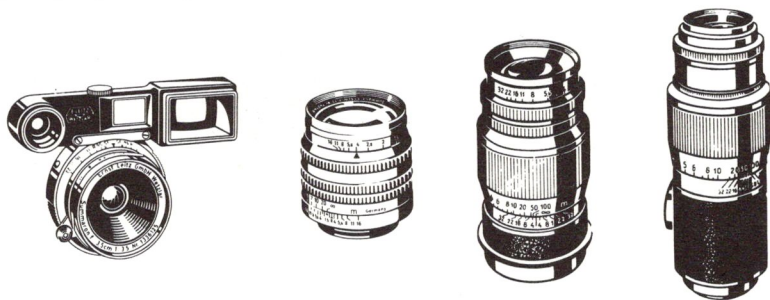
10,025

Catalog Number	Code Word	Item	Retail Price
10,220	OCEGO	Leica Ig without viewfinder, rangefinder or lens	\$ 96.00*
10,221		Leica Ig with 50mm Elmar f/3.5 lens and Optical-Brilliant viewfinder, but without rangefinder	157.20*
10,223	OADGO	Leica Ig with 50mm Elmar f/2.8 lens and Optical-Brilliant viewfinder, but without rangefinder	166.20*
10,025	FOKOS	Rangefinder for Leica Ig or If; chrome finish. .	21.00
10,027	CLIPP	Shoe for mounting rangefinder #10,025 on cameras of larger size	1.20

*Including Federal Manufacturer's Excise Tax.

LEICA LENSES

The Leica System of Photography could not be so universally efficient without its wide selection of truly outstanding interchangeable lenses. Each Leica lens functions with the same unchanging optical and mechanical perfection, no matter what Leica it is used with. Each has its own focusing mount matched precisely to the lens elements it holds. Every mounted lens must pass rigid optical and practical photographic tests before it is released for sale.



You can get Leica lenses in focal lengths from 21mm wide-angle to 400mm telephoto. Some have apertures as large as $f/1.4$. In general, you will use the 50 mm lenses for all-around photography. If you prefer a wider acceptance angle and greater depth of field, you may prefer a 35mm lens as a "standard" lens on the M 2. But there are photographic problems you can solve only with lenses of other focal lengths. To cover a larger picture area without changing the camera position, you will use a wide-angle lens. To bring distant subjects "closer" to fill your negative area, choose a long-focus or telephoto lens. And, that is not all. A choice of focal lengths gives you complete control over perspective—the relative prominence of background and foreground in your pictures.

Behind each Leica lens is more than a century of skill and experience in designing and making precision microscopes and optical equipment. Today's unparalleled Leica lenses are products of constant research and the development of new optical glasses. They are exceptionally well corrected, and equally perfected for both color and black-and-white photography. Each glass-to-air surface of Leica lenses is anti-reflection coated for extra light transmission and image contrast.

Whether your Leica is a IIIg or earlier model with threaded lens mount, or one of the bayonet-mount "M" models, you have a wide choice of lenses for it. Among the unusual lenses available are the 21mm Super Angulon $f/4$ superwide-angle lens and the 400mm Telyt telephoto. The Telyt, while principally used for distance photography, also gives unusual pictures of subjects closer than 25 feet when used with extension tubes. Outstanding among the lenses for the M 3 and M 2 are the 35mm Summicron $f/2$, the 50mm Summilux $f/1.4$ and Dual-Range Summicron $f/2$, the 90mm Summicron $f/2$ and the 90mm Elmar $f/4$ in collapsible mount. Adapters are available to fit screw-threaded Leica lenses to Leica cameras with bayonet mounts.

Lenses up to and including the 135mm Hektor (except the 125mm Hektor $f/2.5$ and the new 65mm Elmar $f/3.5$) fit directly on the camera and couple to the built-in rangefinder of the Leica. The longer focal length lenses including the 125mm Hektor and 90mm Summicron and 135mm Hektor in short mount are used with the Visoflex housings, described on the next page. Lenses designed for use with the Visoflex I or Visoflex II with adapter are in screw-mount only, since a threaded flange is used to mount them. The 200mm and 400mm Telyt lenses are finished in black to match the Visoflex, all others have a chrome finish.

Each lens has a front protection cap. Lens hoods which you can store on the lens are included with the 85mm Summarex, 90mm Summicron, 125mm Hektor and the 200 and 400 mm Telyt lenses and also the 50mm Summilux $f/1.4$. Hoods for other Leica lenses are available as accessories.

LENSES

SCREW-MOUNTING LENSES



11,001



11,010



11,016

Catalog Number	Code Word	Item	Retail Price
11,002	SUOON	21mm Super Angulon f/4	\$240.00*
11,001	SNOOX	28mm Summaron f/5.6	108.00*
11,008	SAWOO	35mm Summicron f/2	174.00*
11,005	SOONC	35mm Summaron f/3.5	82.50*
11,006	SIMOO	35mm Summaron f/2.8	105.00*
11,010	ELMAR	50mm Elmar f/3.5	51.00*
11,012	ELMOO	50mm Elmar f/2.8	60.00*
11,016	SOOIC	50mm Summicron f/2, collapsible	129.00*
11,020	SOOIA	50mm Summarit f/1.5	99.00*
11,025	SOOCX	85mm Summarex f/1.5	360.00*
11,023	SEOF	90mm Summicron f/2, rigid; chrome-finish.	199.50*
00,001	INVOO	Additional Charge for Pre-set Diaphragm for #11,023, #11,123 or #11,124. Can be ordered with lens or installed later	
			12.00
11,029	ELRIT	90mm Elmarit f/2.8, rigid	165.00*
11,030	ELANG	90mm Elmar f/4, rigid	93.00*
11,035	HEFAR	135mm Hektor f/4.5	126.00



11,005



11,020



11,025



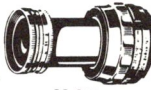
11,035

BAYONET-MOUNTING LENSES

11,102	SUOON-M	21mm Super Angulon f/4	240.00*
11,107	SOONC-MW	35mm "RF" Summaron f/3.5, with Optical Viewing Unit for M 3	126.00*
11,305	SOONC-MT	35mm Summaron f/3.5, for M2 or M1	82.50*
11,106	SIMOO-MW	35mm "RF" Summaron f/2.8 with Optical Viewing Unit for M 3	138.00*
11,306	SIMOO-M	35mm Summaron f/2.8 for M2 or M1	105.00*
11,108	SAWOO-MW	35mm "RF" Summicron f/2, with Optical Viewing Unit for M 3	207.00*
11,308	SAWOO-M	35mm Summicron f/2, for M2 or M1	174.00*
11,112	ELMOO-M	50mm Elmar f/2.8	60.00*
11,110	ELMAR-M	50mm Elmar f/3.5	51.00*
11,118	SOOIC-MS	50mm Summicron f/2, rigid	129.00*
11,318	SOOIC-MN	50mm Dual-Range Summicron f/2, with Optical Viewing Unit for M 3 or M 2	168.00*
11,322	SDPOO	Optical Viewing Unit for bayonet-mounting 50mm Dual-Range Summicron f/2 lens.	22.50
11,120	SOOIA-M	50mm Summarit f/1.5	99.00*
11,114	SOOME-M	50mm Summilux f/1.4, includes lens hood and lens hood cap	198.00*
11,123	SEOF-M	90mm Summicron f/2, rigid; chrome-finish.	199.50*
11,129	ELRIT-M	90mm Elmarit f/2.8, rigid	165.00*
11,130	ELANG-M	90mm Elmar f/4, rigid	93.00*
11,131	LNNOO	90mm Elmar f/4, collapsible	126.00*
11,135	HEFAR-M	135mm Hektor f/4.5	126.00



11,130



11,131

*Including Federal Manufacturer's Excise Tax.

THE VISOFLEX HOUSINGS



Visoflex II, 90mm
Elmar f/4 lens

For most photographic work, a rangefinder-viewfinder system is the fastest, most accurate answer to focusing and framing the pictures. But for certain picture problems, ground-glass focusing and framing is preferable. So, the Leica System provides for both methods—a focusing viewfinder built into the camera, the Visoflex reflex focusing attachment to use when it is needed. By suiting the method to the situation, you and your Leica always work with maximum efficiency.

Rangefinder focus is best with short and normal focal length lenses used at normal range. To make these lenses for use with reflex focusing would involve design compromises which would lower their maximum performance. On the other hand, reflex focusing and framing are indicated for working with long focal length lenses or for close-up work when the object is nearer than the minimum focusing distance of the lens. This is because in telephotography the depth of field is critically shallow, and the acceptance angle of the lens is small; 35mm camera rangefinders cannot be given a long enough base for accuracy with extreme telephoto lenses. In extreme close-up and macrophotography, depth of field is also very shallow and parallax cannot be compensated for automatically.

In some cases, of course, your personal working preferences will decide which is the "best" method. Working with medium-long focal lengths, such as the 90mm and 135mm, is a good example of such a case, since the advantage of one system over another is slight in all-around photography with lenses of these focal lengths. Thus, current Leica 90mm and 135mm lenses (except the collapsible 90mm) can be adapted for either rangefinder or reflex focusing.

Within the Leica System there are two reflex housings of different design to assure utmost flexibility with this method of focusing and framing.

Visoflex I

The Visoflex I lends itself admirably to close-up and copying work. It accepts the Bellows Focusing Device, which offers continuously variable focusing and ratios of reproduction. It can, of course, also be used without the Bellows for telephotography (and with extension tubes in place of the Bellows for close-up and macrophotography). Three types of interchangeable focusing magnifier make it possible to use the Visoflex I for shooting at eye-level, below eye-level or for photography from a tripod or copying stand. Four lenses of focal lengths from 125mm to 400mm are available in short mounts, which will focus to infinity on the Visoflex I. Shorter focal length lenses can be used for work at close distances only.

The release of the Visoflex mirror and camera shutter is controlled by a double cable release. The Visoflex I is available in two models to fit either screw-mounting or bayonet-mounting Leica models.

Visoflex II

The Visoflex II is a recent and more compact version of the Visoflex I. It is 22.5mm shallower, front to back, than the Visoflex I, and so will permit lenses of less than 135mm focal length to be focused to infinity—specifically the 90mm lenses and the 65mm Elmar.

A rigid, bar-type mirror-and-shutter release plus a 4X prism-type magnifier make hand-held, eye-level photography easy with the Visoflex II. The new 65mm Elmar f/3.5 and the short-mounted 90mm Summicron f/2 lens are especially useful with the new housing, and lens units of rigid 90mm Elmar f/4 lenses can also be used with adapters (the collapsible 90mm lens cannot be used with the Visoflex II). All other short-mounted Leica lenses designed for use on the Visoflex I can also be used with the Visoflex II via a simple adapter which bayonets to the front of the new housing and accepts the threaded mount of the older lenses. The Visoflex adapts for copy-stand or low-angle work by replacement of the prism-type viewfinder with a simple 5X magnifier. (The magnifiers of the Visoflex I and Visoflex II are interchangeable only on the housing for which they are designed, however. That is, those for the Visoflex I do not fit the Visoflex II and vice versa.) The mirror and shutter should be triggered with a cable release rather than the bar release when working from a tripod or copying stand. This can be done via a socket which will accept any cable release which fits the Leica M 3.

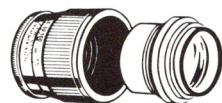
Like the Visoflex I, the new unit is available in models to fit either bayonet- or screw-mounting Leicas. The screw-mounting Visoflex II cannot be adapted to bayonet-mounting Leicas via a bayonet adapter, since the length of the shutter release bar is different on the two Visoflex II models. Also, because of a difference in height between the IIIg and earlier screw-mounting Leicas, a removable extension "finger" is supplied with the screw-mounting Visoflex II. This increases the reach of the shutter release bar and is used with IIIf or earlier models of the Leica.

VISOFLEX I

<i>Catalog Number</i>	<i>Code Word</i>	<i>Item</i>	<i>Retail Price</i>
11,055	OZYXO	Visoflex I, screw-mounting; complete with special cable release and 5X wide-field focusing magnifier (weight 20 oz.)	\$102.00
11,155	OZYXO-M	Visoflex I, bayonet-mounting; complete with special cable release and 5X wide-field focusing magnifier (weight 20.5 oz.)	105.00
14,085	OZWTO	Double Cable Release for Visoflex I and any Leica (except Leica M 3, M 2, M 1)	7.50
14,083	OZWTO-M	Double Cable Release for Visoflex I and Leica M 3, M 2, M 1)	7.50
14,086	OZXVO	Release Coupling for Visoflex I and any Leica (except Leica M 3, M 2, M 1). Single-button hand or cable release operation.	9.00
14,088	OZTNO	Release Adapter. Adapts Visoflex I Double Release #14,085 and camera Cable Releases #14,070, #14,075, and #14,080 to Leica M 3, M 2, M 1) . . . . .	.60
11,045	ZOAN	Short Focusing Mount for lens unit of 135mm lenses For use with Visoflex I #11,055, #11,155 and Visoflex II #11,056, #11,156 with adapter #11,090. (Serial number of lens must be furnished with order. For lenses numbered below 245,818 see #11,046.) (Special order: 6-8 week delivery.)	18.00
11,046	ZOABA	Short Focusing Mount, same use as above, but for 135mm lenses with serial numbers 245,818 or below. Lens unit must be converted and specially fitted. Lens must be sent to factory. Delivery: 3 to 4 months.	30.00



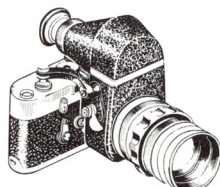
14,086



11,045

VISOFLEX II

16,708	OTYDO	Visoflex II, screw-mounting, without magnifier	60.00
16,709	OTYDO-M	Visoflex II, bayonet-mounting, without magnifier	60.00
11,056	OUCLO	Visoflex II, screw-mounting with 4X image erecting magnifier (weight 15¼ ozs.)	99.00
11,156	OUCLO-M	Visoflex II, bayonet-mounting with 4X image erecting magnifier (weight 16¼ ozs.)	99.00
16,716	OTXBO	4X Magnifier producing an erect and laterally correct image for Visoflex II	39.00
16,626	OTVXO	5X Standard Magnifier for Visoflex II.	18.00
11,090	OUBIO	Adapter fitting the special bayonet on front side of the Visoflex II, with standard Leica thread, increasing extension length of Visoflex II to that of the Visoflex I and permitting the use of short-mounted lenses of 125mm, 135mm, 200mm and 400mm focus	13.50



Visoflex II, Leica M3 and 90mm Elmar lens unit

Catalog Number	Code Word	Item	Retail Price
11,091	OUAGO	Short Focusing Mount for lens unit of rigid 90mm f/4 Elmar, permits focusing from infinity to 3 feet 4 inches	\$16.50
		For use with Visoflex II #11,056 Visoflex II #11,156	
11,092	OTQNO	Extension Tube for short focusing mount #11,091 permitting focusing from 3 feet 4 inches to 2 feet 2 inches	1.80
11,044	ZOEOP	Short Focusing Mount; accepts lens units of lenses #11,023 and #11,123 for use on Visoflex II only	66.00

LENSES FOR VISOFLEX

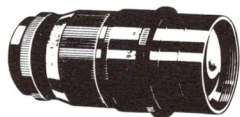
Not Yet Available	11,062	OCMOR	65mm Elmar f/3.5 for Visoflex II only. Must be used with focusing mount #11,093 below . . .	84.00*
	11,093	OTZFO	Universal Focusing Mount. Necessary to use with 65mm f/3.5 on Visoflex II	36.00
	11,061	OCMOR-OTZFO	65mm Elmar f/3.5, complete with Universal focusing mount #11,093 for use with Visoflex II only	120.00*
	11,124	OESBO	90mm Summicron f/2, in short mount, chrome-finish. Fits Visoflex II only	192.00*
	00,001	INVOO	Additional Charge for Pre-set Diaphragm for #11,023, #11,123 or #11,124. Can be ordered with lens or installed later . .	12.00
11,032		125mm Hektor f/2.5 in short mount without Visoflex	157.50	
		For use with: Visoflex I #11,055 Visoflex I #11,155 Visoflex II #11,056 Visoflex II #11,156) with adapter #11,090		
11,140	OHEBO	135mm Hektor f/4.5 in short mount without Visoflex	106.50	
		For use with: Visoflex I #11,055 Visoflex I #11,155 Visoflex II #11,056 Visoflex II #11,156) with adapter #11,090		
		Lens unit of above adapts to rangefinder focusing via: Long-Focusing Mount #11,050 Long-Focusing Mount #11,150		

NOTE: Short-mount 135mm Hektor f/4.5 #11,040 supplied in the past for Leica cameras with screw-in mount is discontinued. We shall supply instead lens #11,140 which has a 42mm front diameter and is now recommended for Leica cameras with either bayonet or screw-mounting lenses.

11,041	HEFAR-ZOAN	135mm Hektor f/4.5 (#11,035) in long screw-in mount, plus separate short mount (#11,045), but without Visoflex	144.00
		Short mount above for use with: Visoflex I #11,055 Visoflex I #11,155 Visoflex II #11,056 Visoflex II #11,156) with adapter #11,090	
11,141	HEFAR-M-ZOAN	135mm Hektor f/4.5 (#11,135) in long bayonet mount, plus separate short mount (#11,045), but without Visoflex	144.00
		Short mount for use with same equipment listed under #11,041 above.	

Catalog Code
Number Word
Item
Retail Price

11,138 HEKOO 135mm Hektor f/4.5 lens unit with click stops, 42mm front diameter, without focusing mount. \$88.50
Adapts to rangefinder focusing via:
Long Focusing Mount #11,050
Long Focusing Mount #11,150
Adapts for use on Visoflex I or II via:
Short Focusing Mount #11,045
Also fits Adapter furnished with Bellows Device #16,555



11,060

11,060 OTPLO 200mm Telyt f/4.5 in short mount, without Visoflex; includes lens hood and lens hood cap. 172.50
For use with:
Visoflex I #11,055
Visoflex I #11,155
Visoflex II #11,056
Visoflex II #11,156) with adapter #11,090



11,066

11,066 TLCOO 400mm Telyt f/5 in short mount without Visoflex; includes lens hood and lens hood cap 465.00
For use with same equipment listed for 200mm Telyt #11,060 above.

LENS ACCESSORIES

11,050 ZOOKE Long Focusing Mount, screw-mounting, parallel focusing, couples to rangefinder; adapting lens unit of short-mounted 135mm Hektor lens for use on Leica cameras with threaded lens flange. (Serial number of lens must be furnished with order. Mounts with non-parallel focusing will be supplied for lenses having serial numbers below 1,130,000.) . . . 37.50

11,150 ZOOKE-M Long Focusing Mount, bayonet-mounting, parallel focusing, couples to rangefinder; adapting lens unit of short-mounted 135mm Hektor lens #11,140 for use on Leica M 2 or M 3 camera. (Serial number of lens must be furnished with order.) 37.50



11,070

11,070 MOOSP Extension Tube (15mm), fitting between 200mm Telyt and Visoflex for photography between 6 and 10 feet 2.10
For use with same equipment listed for 200mm Telyt #11,060.

11,075 TZFOO Intermediate Collar (62.5mm) with special viewfinder shoe. Replaces Visoflex when using 200mm Telyt directly on Leica cameras having threaded lens flange. 18.00



11,075

Replaces:
Visoflex I #11,055
Visoflex II #11,056 and adapter #11,090

11,076 TXBOO Intermediate Collar (63.5mm) with special viewfinder shoe. Replaces Visoflex when using 200mm Telyt directly on Leica cameras having bayonet lens flange 19.50

Replaces:
Visoflex I #11,155
Visoflex II #11,156 and adapter #11,090

16,508 UOORF Adapter 2.70

Fits lens unit of
50mm rigid-mount Summicron lens #11,118
50mm Dual-Range Summicron lens #11,318

to
Close-Focusing Unit #16,507
or
Auxiliary Reproduction Unit #16,526

Catalog Number	Code Word	Item	Retail Price
11,200	IRZOO	Bayonet Adapter actuating the 50mm viewfinder frame of the Leica M 2 and M 3 For M 3 with: All screw-mounting Leica lenses 50mm or less in focal length. For M 2 with: All screw-mounting 50mm Leica lenses.	\$ 7.50
11,210	ISBOO	Bayonet Adapter actuating the 90mm viewfinder frame of the Leicas M 2 and M 3 For M 2 and M 3 with: All screw-mounting 90mm Leica lenses.	7.50
11,220	ISOOZ	Bayonet Adapter actuating the 135mm viewfinder frame of the Leica M 3 and the 35mm frame of the Leica M 2 For M 3 with: All screw-mounting 135mm Leica lenses. For M 2 with: All screw-mounting Leica lenses 35mm or less in focal length.	7.50
<p>NOTE: The viewfinder frames of the M 1 are always visible. So, any of the above adapters will mount any screw-mounting lens on the M 1. This also applies to long-mount 135mm lenses with the M 2, since a built-in frame is not used for 135mm lenses on this Leica. And, since the Visoflex substitutes for a built-in finder on all Leicas, any of the adapters may be used with the screw-mounting Visoflex I on any bayonet-mounting Leica. (The screw-mounting Visoflex II cannot be adapted to bayonet-mounting cameras.)</p>			
11,080	CINLE	Cine Adapter; adapting screw-mounting Leica lenses (except lenses in short mount designed for use on the Visoflex) to type "C" 16mm motion picture camera mount	4.50
11,085	OSBLO	Eyepiece converting screw-mounting 50mm and 90mm Leica lenses to telescopes of 3.5X and 6X power respectively. Screws on base of lens	3.30



11,200



11,210



11,220

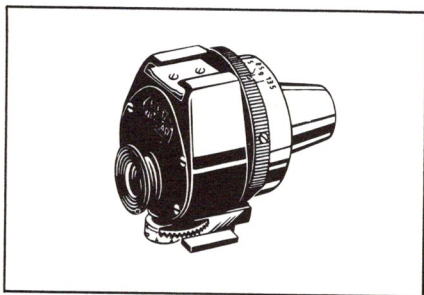


11,085

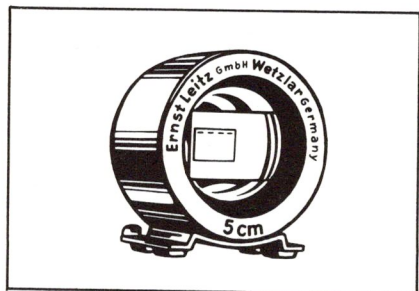
VIEWFINDERS

The viewfinder built into the Leica M 3 shows the field of view of 50mm, 90mm and 135mm lenses; that of the M 2 shows the fields of 35mm, 50mm, and 90mm lenses. The IIIg viewfinder covers 50mm and 90mm lenses. The built-in finders of other Leica models cover 50mm lenses only. When a lens of longer or shorter focal length is used, you must use an auxiliary finder showing the coverage of that lens. There are three types of viewfinders available.

The Imarect Universal Viewfinder fits into the Leica accessory clip and may be adjusted to indicate the exact field of all Leica lenses from the 35mm wide angle to the 135mm long focus lens and, by the addition of an adapter, the 28mm Summaron f/5.6 extreme wide angle objective. A lever actuated cam, calibrated in feet, is built into the finder for adjusting parallax. By composing your subject through the Imarect, it is easy to select the proper focal length lens best suited for the picture.



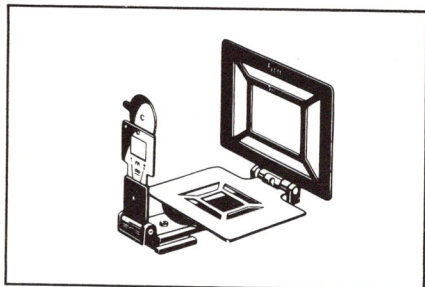
Imarect Universal Viewfinder.



Optical-Bright-Line Viewfinder.

The Optical-Bright-Line viewfinders also fit the accessory clip and are of the sports type, outlining the lens field by a reflected translucent bright line while at the same time permitting observation of a moving object before it enters the area photographed. Compensation for parallax in the 21mm, 28mm, stereo, 35mm and 50mm finders is by reference to a dotted line visible in the field. The finders for the 85, 90 and 135mm lenses are adjusted for parallax by a ring surrounding the eye lens.




The Sports Frame finders are non-optical and outline the subject in a frame. Like the Optical-Bright-Line finders, they allow observation of a moving object before it enters the lens field. The Universal Frame Finder fits into the accessory clip of the camera and has masks for the 50, 90 and 135mm lenses. It is adjusted for parallax by raising or lowering its calibrated eyepiece. The finders for the 200 and 400mm Telyt lenses fit into a special accessory shoe on the Visoflex I or Intermediate Collar used with the 200mm lens and cannot be placed in the camera accessory shoe. Parallax is adjusted by a click-stop ring.



Universal Frame Finder.

Leather cases for the various viewfinders are listed with the cases for other Leica equipment.

OPTICAL FINDERS

<i>Catalog Number</i>	<i>Code Word</i>	<i>Item</i>	<i>Retail Price</i>
 12,005	12,000	VIOOH	Imarect Universal Viewfinder \$39.00
	12,005	TUVOO	Adapter for Imarect Finder, adapting it for use with 28mm Summaron f/5.6 wide angle lens 10.50
	12,002	SBKOO	Optical Bright-Line Viewfinder for 21mm lenses 28.50
	12,007	SLOOZ	Optical Bright-Line Viewfinder for 28mm lenses (when available) 22.50
 12,010	12,010	SBLOO	Optical Bright-Line Viewfinder for 35mm lenses 21.00
	12,015	SBOOI	Optical Bright-Line Viewfinder for 50mm lenses 10.20
	12,020	SGOOD	Optical Bright-Line Viewfinder for 85mm lens 15.00
	12,025	SGVOO	Optical Bright-Line Viewfinder for 90mm lenses 15.00
 12,025	12,030	SHOOC	Optical Bright-Line Viewfinder for 135mm lens 15.00
	11,525	OIDYO	Optical Bright-Line Viewfinder for Stemar Stereo attachment 18.00



12,007




12,015



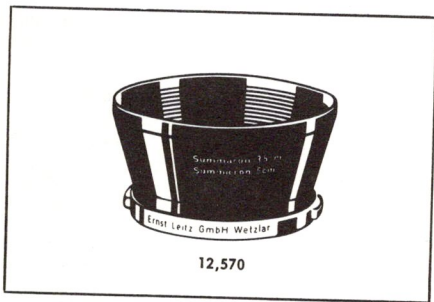
12,030

FRAME FINDERS

 12,035	12,035	SFTOO	Sports Frame Finder for 200mm lens 18.00
	12,037	SQTOO	Sports Frame Finder for 400mm lens 18.00
	12,040	ROSOL	Universal Frame Finder for 50mm, 90mm and 135mm lenses 9.00

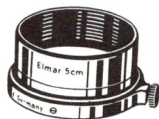
LENS HOODS

Lens hoods are commonly called "sunshades". But under this name their use is psychologically restricted. You should, of course, protect your lens from the direct rays of the sun when you take a picture; if you do not, your picture will lose a great deal of contrast. But there is also unwanted light from other sources which will flatten your pictures. This is the light reflected from the sky, water, building, rocks or any object in the immediate vicinity. All light striking the surface of the lens which is not directly used to form the picture, will reduce its brilliance. What's more, this goes for flash and floodlight also. For best results, you should use a lens hood at all times. Because keeping out extraneous light is so important to your picture, specially designed hoods are available for all Leica lenses.



12,570

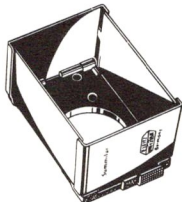
Catalog Number	Code Word	Item	Retail Price
12,500	SOOBK	Lens Hood with clamping screw for 28mm Summaron lens	\$ 2.40
12,502	IWKOO	Lens Hood for 21mm f/4 Super Angulon lens	4.50
12,505	FOOKH	Lens Hood with clamping screw for screw-mounting 35mm Summaron and Elmar lenses with 36mm front diameter only	2.40
12,510	FISON	Lens Hood with clamping screw for screw-mounting 50mm Elmar f/3.5 lens	2.10
12,580	ITOOY	Lens Hood with clamping device for screw-mounting 50mm Elmar f/2.8 lens and bayonet-mounting 50mm Elmar lenses	3.90
16,620	VALOO	Combination Lens Hood and Diaphragm Adjusting Ring, with set screw, for screw-mounting 50mm Elmar f/3.5 lens. Settings are indicated by click-stops and are visible from the side. Filters mount on front of the hood	6.60
12,516	SOOFM	Lens Hood collapsible, with clamping device for screw-mounting 50mm Summicron or Summarit lens.	7.50
12,520	XOONS	Lens Hood with clamping screw for 50mm Summarit lenses	3.90
12,525	ORQPO	Lens Hood with bayonet fitting for 85mm Summarex lens	3.90
12,527	HMOOD	Lens Hood for 90mm Summicron f/2 lens	8.70
12,530	FIXUS	Adjustable Lens Hood with clamping screw for screw-mounting 50mm and 90mm Elmar and 135mm Hektor lenses	5.70
12,532	HKMOO	Lens Hood with bayonet fitting for 125mm Hektor lens	4.80
12,535	TNGOO	Lens Hood with clamping screw for 200mm Telyt lens	4.50



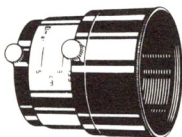
12,510



16,620



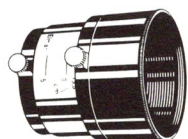
12,516



12,530



12,525



12,530

Catalog Number	Code Word	Item	Retail Price
12,540	TMEOO	Lens Hood with clamping screw for 400mm Telyt lens (former models only)	\$13.50
12,550	OIGEO	Stereo Lens Hood with bayonet fitting for 33mm Stemar stereo lens	8.40

Hoods for Leica Bayonet-Mount Lenses



12,525

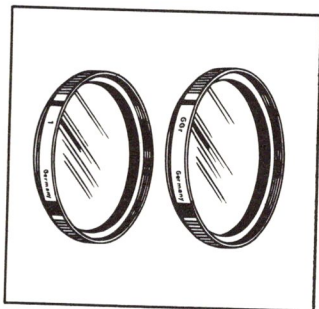
12,502	IWKOO	Lens Hood for 21mm f/4 Super Angulon lens	4.50
12,580	ITOOY	Lens Hood with clamping device for bayonet-mounting 50mm Elmar lenses and screw-mounting 50mm f/2.8 Elmar lens.	3.90
12,570	ITDOO	Lens Hood with clamping device for bayonet-mounting 35mm Summaron and Summicron and 50mm Summicron lenses	4.50
12,520	XOONS	Lens Hood with clamping screw for 50mm Summarit lenses	3.90
12,527	HMOOD	Lens Hood for 90mm Summicron f/2 lens	8.70
12,521	XOIM	Lens Hood for 50mm bayonet-mounting Summilux f/1.4 lens (as replacement)	4.50
12,575	IUFOO	Lens Hood with clamping device for bayonet-mounting 90mm Elmar and 135mm Hektor lenses	4.50

FILTERS

Filters, like quality lenses, must be precision ground and polished to close tolerances. An inferior filter can spoil the wire-sharp results of your best lens. To protect the performance of your lens, Leitz filters are ground plano-parallel from optical glass,—and, except for the polarizing filters and those for color photography, they are not cemented but colored in the mass.

Naturally, fine glass, plano-parallel surfaces and evenness of coloring are necessary for quality. But the thinness of the filter is of the utmost importance. This is particularly true with the short focal length, high aperture Leica lenses.

Leitz filters for black and white photography are made from solid optical glass and ground thin (average: .066") to produce maximum sharpness. The polarizing filters and those for color photography are laminated. This must be done to get the precise transmission of light wavelengths demanded for color work, but they are kept as thin as possible.



Leica Filters

Filters for Black and White Photography

YELLOW. You'll use this mostly to darken the blue sky in relation to the rest of the scene and to give better contrast between sky (which normally photographs light grey) and white clouds. You can also use the yellow filters with orthochromatic film for a similar effect to what they give with panchromatic film. The different densities, 0 the lightest, 1 the darkest, hold back more blue as the density increases. This gives you control of contrast.

GREEN. The green filter has about the same effect on panchromatic film as a yellow filter of equal density. But it will lighten green foliage slightly more than a yellow filter does, and at the same time darken the sky. It is especially good for outdoor portraits against the sky, since it gives better flesh tones than yellow filters. But don't use green filters with orthochromatic film.

BLUE. The blue filter has little use in general photography. It will wash-out blue sky registering it "bald" and without white clouds. Its principal use is in copying, to darken faded writing which has yellowed with age.

ORANGE. The orange filter acts like the yellows, but absorbs more blue. It is a "contrast" filter. You will use it to get high contrast between white clouds and a relatively dark sky. An underexposed shot taken with an orange filter in daylight and over-printed will look like a night shot. The orange filter will slightly darken green foliage. It is also good for making portraits of heavily freckled people, since it minimizes the tan of the freckles.

GRADUATED. The graduated filters run from clear glass on one edge to medium yellow or green on the other. You will like them when you want to filter the sky but not the foreground or vice versa.

ULTRA VIOLET ABSORPTION. The UVa filter absorbs the excessive ultra violet rays found at high altitudes. All film is sensitive to ultra violet; unless it is filtered out, your high altitude negatives will lack contrast. Yellow, green and orange filters will absorb more ultra violet than the UVa filter. But the clear glass of the UVa absorbs the ultra violet without filtering visual light. Distant scenes tend to be flat because moisture in the air scatters ultra violet light. A UVa filter gives better contrast to distant scenes. The UVa is sometimes called a "haze" filter, but it will in no way cut haze. For haze cutting, you will need infra-red film and an infra-red filter. The UVa filter is also very useful in color photography, since it reduces excess blue in high altitude and seashore pictures.

INFRARED. Use the infrared filters (medium or dark) with infrared film only. They are very dark and need excessively long exposures if you use them with panchromatic film.

Infra-red film combined with an infra-red filter produces some startling photographs. Pictures taken in the day time have a moonlight effect; green grass, tree leaves photograph white; blue sky turns out jet black. Aside from novel effects, infra-red film is used widely for medical photography, picturing questioned documents, taking pictures through fog.

Filters for Color Photography

Leitz Type "F", Type "FP", Type "A", Flash, Photoflood (PF), and Skylight (SL) filters are for use with color film. Like all filters for color photography, each is classed as either a conversion or a correction filter. Type "F", Type "A" and Photoflood (PF) are conversion filters, "converting" the light for use with film normally intended for use under different lighting conditions. The Skylight (SL), Flash and Type "FP" filters are correction filters. The Skylight (SL) corrects the excessive blue encountered when using daylight film in the shade. The Type "FP" corrects the redness which results when you use Type "F" film with photofloods.

TYPE "F" (mount engraved "F"). Use this with Type "F" Kodachrome, Ektachrome or Anscochrome when you shoot outdoors in daylight.

TYPE "FP" (mount engraved "FP"). This permits you to use Type "F" Kodachrome, Ektachrome or Anscochrome with photofloods.

TYPE "A". Use this filter with Kodachrome Professional Film, Type A, 35mm, when you shoot outdoors in daylight.

FLASH. The Flash Filter is for Type "A" Kodachrome used with clear flash bulbs.

PHOTOFLOOD (mount engraved "PF"). This filter lets you use Kodachrome daylight type film to take pictures with photofloods.

SKYLIGHT (mount engraved "SL"). Used with daylight color films, it absorbs the excessive blue found at high altitudes and at the seashore. It also reduces the blueness of open shade and adds a general warmth to the transparency.

Polarizing Filters

These are not color filters but have a neutral density. You can use them for either black and white or color photography. They are the only means by which you can darken blue sky in color pictures without altering color or tone in the rest of the scene.

With a polarizing filter, you can eliminate or reduce reflections from the surfaces of water, show windows, furniture, etc. You will get varying effects, depending on the position at which you set the filter. You can get the polarizing filters in two types of mount: The engraved mount with reference numbers for setting the polarization plane and the swing-out rotating mount which lets you see the exact polarizing effect of the filter in front of the lens.

FILTERS FOR LEICA LENSES	28mm Summaron 28mm Hektor 35mm Elmar f/3.5 35mm Summaron† 50mm Elmar 50mm Hektor 50mm Summar 90mm Elmar 135mm Hektor		21mm Super Angulon 35mm Summicron 35mm Summaron † 50mm Elmar † 50mm Summicron 90mm Elmar † 135mm Hektor †		50mm Summitar		50mm Summarit		50mm Summilux		85mm Summarex 125mm Hektor		90mm Summicron 90mm Thambar 200mm Telyt		400mm Telyt	
	Mounting Methods	Clamping-Screw		Screw-In		Screw-In		Screw-In		Screw-In		Screw-In		Screw-In		Screw-In
Yellow O (light)	13.000 FHEHL	\$ 5.55	13.081 HOOAR	\$ 5.55	13.080 GBOOM	\$ 5.55	13.155 XOOPT	\$ 7.05	13.156 YBEOO	\$ 7.05	13.230 UPOOZ	\$ 10.50	13.290 POOAH	\$ 7.05	13.291 TFOOG	\$ 19.50
Yellow I (medium)	13.005 FIGRO	5.55	13.086 HOOBE	5.55	13.085 GBWOO	5.55	13.160 XOOQG	7.05	13.161 YCGOO	7.05	13.235 UQMOO	10.50	13.295 POOBV	7.05	13.296 TFSOO	19.50
Green (medium)	13.015 FIPOS	5.55	13.096 HOOPG	5.55	13.095 GCYOO	5.55	13.170 XOOSH	7.05	13.171 YELOO	7.05	13.245 UROOX	10.50	13.305 POODW	7.05	13.306 TIYOO	19.50
Blue (medium)	13.020 BQCOO	5.55	13.098 HOOKI	5.55	13.097 RQPOO	5.55	13.172 XQOOE	7.05	13.173 YMOOL	7.05	---	---	13.307 POOCQ	7.05	---	---
Orange (medium dark)	13.025 FSEOO	5.55	13.101 HOOGU	5.55	13.100 GDOOK	5.55	13.175 XOOZY	7.05	13.176 YXLÓO	7.05	13.250 USOOW	10.50	13.310 POOKZ	7.05	13.311 TEQOO	19.50
Graduated Yellow (clear to medium)	13.030 FIRAD	5.55	---	---	13.105 GHOOF	5.55	13.180 XPGOO	7.05	---	---	---	---	---	---	---	---
Graduated Green (clear to medium)	13.035 FOOBD	5.55	---	---	13.110 GILOO	5.55	13.185 XPOOF	7.05	---	---	---	---	---	---	---	---
Red (dark)	13.040 FEDOO	5.55	13.116 HOOCs	5.55	13.115 GECOO	5.55	13.190 XOOU1	7.05	13.191 YGPOO	7.05	13.255 USQOO	10.50	13.315 POOGL	7.05	13.316 TGUOO	19.50
Infrared (medium)	13.045 FIKYB	5.55	13.121 HOODF	5.55	---	---	13.195 XOOVW	7.05	13.196 YHROO	7.05	13.260 UTOOV	10.50	13.320 POEEK	7.05	13.321 THOOE	19.50
Infrared (dark)	13.050 FEOOG	5.55	13.126 HOOET	5.55	13.125 GFOOH	5.55	13.200 XOOWK	7.05	---	---	13.265 UTSOO	10.50	13.325 POOHY	7.05	13.326 THWOO	19.50
UVA Absorption (colorless)	13.055 FIOLA	5.55	13.131 HOOIV	5.55	13.130 GHIOO	5.55	13.205 XOOLY	7.05	13.206 YMZOO	7.05	13.270 UOOUF	10.50	13.330 POOFX	7.05	13.331 TIOOD	19.50
Type "F"	13.061 FKDELM	7.44	13.138 FKDSMI	7.32	13.137 FKDSUM	6.66	13.216 FKDSMT	9.00	---	---	---	---	---	---	---	---
Photoflood	13.065 FIKLO	7.44	13.141 FIFLOMI	7.32	13.140 FIFLO	6.66	---	---	---	---	---	---	---	---	---	---
Type "FP"	13.071 FPKELM	7.44	13.148 FKPSMI	7.32	13.147 FKPSUM	6.66	13.226 FKPSMT	9.00	---	---	13.286 FKPSAX	15.00	13.346 FKPTEL	10.50	---	---
Type "A"	13.060 FIKAT	7.44	13.136 FIDAYMI	7.32	13.135 FIDAY	6.66	13.215 XOOUY	9.00	---	---	13.275 USOAY	15.00	13.335 POOAY	10.50	---	---
Flash	13.070 FICHR	7.44	13.146 GCHEDI	7.32	13.145 GCHED	6.66	13.225 XOFLA	9.00	---	---	13.285 USFLA	15.00	13.345 POFLA	10.50	---	---
Skylight	13.075 FISKF	7.44	13.151 GSKYMI	7.32	13.150 GSKY	6.66	13.220 XOSKY	9.00	---	---	13.280 USSKY	15.00	13.340 POSKY	10.50	---	---
Polarizing (engraved mount)	13.350 POOEL	18.90	13.356 POOTR †	19.80	---	---	13.360 XQIOO	19.80	---	---	---	---	---	---	---	---
Polarizing (swing-out mount)	---	---	13.396 FISUMMI †	37.50	13.395 FISUM	37.50	13.400 FINON †	37.50	---	---	---	---	---	---	---	---
Filter Diameter	34mm		36.5mm		36.4mm		40mm		45mm		57mm		48mm		85mm	

NOTE: Polarizing Filter 13.350 is in slip-on mount. Polarizing Filters 13.355; 13.356 and 13.360 are in screw-in mount. Polarizing Filters 13.395; 13.396 and 13.400 have clamping screw.

† Cannot be used with 28mm lenses, with or without adapter.

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

FILTER ADAPTERS

Rather than carry extra filters, you will often find it handier to use one made for a lens of different size. When that's the case, you can get adapters which allow the Summitar, Summicron and Summarit filters to be used on other lenses.

<i>Catalog Number</i>	<i>Code Word</i>		
13,154	SOOGZ	Filter Adapter fitting Summicron filters to the following screw-mounting lenses 36mm in diameter	3.60
		35mm Elmar	50mm Summar
		35mm Summaron	90mm Elmar
		50mm Elmar f/3.5	135mm Hektor
		50mm Hektor	
13,079	SOOTE	Filter Adapter fitting screw-in type Summitar filters or screw-in and bayonet type Summarit filters to lenses with a 36mm outside diameter	3.60
13,077	SOOEY	Filter Adapter fitting screw-in type Summitar or Summarit filters to lenses of 42mm diameter	3.00
13,078	SNHOO	Adapter Ring to adapt screw-in type Summicron filters for use on Summitar lenses	3.00
16,621	VOOLA	Diaphragm Adjusting Adapter for screw-mounting 50mm Elmar lens. Permits adjustment of diaphragm with slip-on filter in position . . . . .	.75

SPECIAL FILTERS

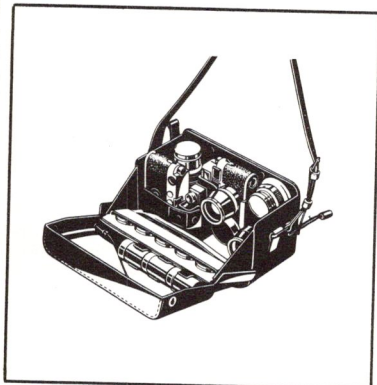
13,500	FIRHE	Yellow Filter I (medium) in screw-in mount for 35 and 50mm Elmar f/3.5 screw-mounting lenses. Diaphragm may be adjusted with filter in position	3.60
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Paired Filters in screw-in mounts for 33mm Stemar Stereo Attachment

13,605	OHUGO	Yellow I (medium)	6.00
13,620	OHVIO	Orange (medium dark)	6.00
13,625	OHWLO	UVa Absorption (colorless)	6.00
13,660	STESKY	Skylight	9.00
13,645	STEKOA	Type "A"	9.00
13,650	STEKPF	Photoflood	9.00
13,655	STEFLLA	Flash	9.00
13,656	STEFKD	Type "F"	9.00
13,665	STEFPK	Type "FP"	9.00

CASES

Protective cases for your Leica equipment must not only preserve its finish and guard against accidental damage, but must also reflect your pride of ownership. Leitz leather cases are made from top quality hides, beautifully finished and strongly sewed. They are designed for utility; the Eveready cases allow you to use your equipment while it is kept protected. The other cases stress easy access. You can get Eveready cases in several styles to fit your individual camera-lens-accessory combinations. Sportsmen who own an "F" series Leica will find the metal water- and shock-resistant case ideal.



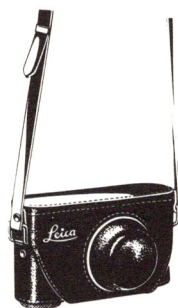
Typical Leica Combination Case

Each leather case for camera or lens, except the three smaller cases for the wide angle and 50mm lenses, has an adjustable shoulder strap. Shoulder straps for Eveready cases include a non-slip rubber shoulder grip.

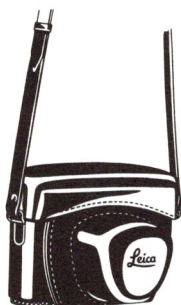
Transparent filter cases not only protect your filters, but let you identify them without removing them from their container. Plastic lens cases are ideal when you use a particular lens occasionally and want to save the cost of a leather case.

CAMERA CASES

Catalog Number	Code Word	Item	Retail Price
14,501	EFOOS	Eveready Case for Leica Ig with 50mm Elmar f/3.5 or f/2.8 lens and detachable viewfinder	12.30
14,523	ENoor	Eveready Case for Leica IIIg with 50mm Summicron or Elmar lenses	12.30
14,524	ENSOO	Eveready Case for Leica IIIg with 50mm Summarit lens.	12.30
14,536	ELOOP	Eveready Case for Leica IIIg with any 50mm lens and fitted with Leicavit Rapid Winder.	13.50
14,526	IDYOO	Eveready Case for Leica M 3 or M 2 with 35mm lenses requiring Optical Viewing Unit or 50mm Dual-Range Summicron, each with Optical Viewing Unit attached.	18.00
14,528	IDCOO	Eveready Case for Leica M 3, M 2 or M 1 with 35mm, (except those requiring Optical Viewing Unit), 50mm or 90mm collapsible lens and Leica-Meter "MC"	16.50
14,532	EDFOO	Eveready Case for Leica IIIg with any 50mm lens and Leica-Meter attached.	15.00
14,531	IPOOM	Eveready Case for Leica M 2 or M 1 fitted with Leicavit Rapid Winder.	18.00
14,518	MBROO	Eveready Case, metal, water- and shock-resistant; for If, IIf, IIIf Leica cameras with 50mm Summicron lens.	31.50



14,523



14,528

<i>Catalog Number</i>	<i>Code Word</i>	<i>Item</i>	<i>Retail Price</i>
14,800	EBYOO	Universal Carrying Case with Insert I. Insert I is interchangeable with other inserts for Universal Case and fitted for: Leica M3, M2 or M1 with meter and 90mm collapsible or shorter focal length lenses with lens hood; 135mm lens; three additional lenses of focal length up to and including 90mm with lens hood; Optical Viewing Units of "RF" Summaron and Dual-Range Summicron; battery base of CEYOO flash unit or complete CHICO flash unit or extra camera body	72.00
14,801	EBDOO	Universal Carrying Case with Insert II. Insert II is interchangeable with other inserts for Universal Case and fitted for: Leica M3, M2 or M1 without lens or meter; Visoflex I with 200mm Telyt; Visoflex magnifier; short-mounted 135mm Hektor with lens hood; 90mm collapsible or shorter focal length lens with lens hood; five 200mm Telyt filters and double cable release	75.00
14,802	EBKOO	Universal Carrying Case with Insert III. Insert III is interchangeable with other inserts for Universal Case and fitted for: Leica IIIg with 50mm lens and attached exposure meter, 3 accessory lenses of from 28mm to 90mm focal lengths, the Hektor 135mm lens, one reflecting viewfinder, Imarect Universal viewfinder, a second camera body or flash unit	72.00
14,810	EBNOO	Insert I for Universal Carrying Case	19.50
14,811	EBROO	Insert II for Universal Carrying Case	22.50
14,812	EBSOO	Insert III for Universal Carrying Case	19.50
14,094	DXOOK	Shoulder Grip for strap of Eveready case. Will fit carrying straps up to 1/2 inch wide. . . . .	.48

LENS CASES

14,550	ETILA	Leather Case for screw-mounting 28mm Summaron or Hektor, 35mm Summicron, Summaron or Elmar lens	2.40
14,552	ECOOG	Leather Case for "RF" 35mm Summaron with its Optical Viewing Unit and Optical Viewing Unit and Optical Viewing Unit of Dual-Range 50mm Summicron; or bayonet-mounting Dual-Range Summicron #11,318 with its Optical Viewing Unit	8.10
14,560	ETIME	Leather Case for screw- or bayonet-mounting 50mm Elmar f/3.5 or f/2.8 lens in collapsed position.	2.40
14,565	ETBIX	Leather Case for 21mm Super Angulon, 50mm Summitar, Summicron or Summarit lens.	2.40
14,627	COONH	Leather Case for Optical Viewing Unit of Dual-Range 50mm Summicron	4.50
14,566	EKOOL	Leather Case , with neck strap, for 50mm Summilux f/1.4 lens	4.50
14,570	ENOOW	Leather Case for 85mm Summarex lens.	8.10
14,572	EZOOW	Leather Case for 90mm Summicron lens	8.10
14,575	ETINI	Leather Case for 90mm Elmar screw-mounting lens	6.00
14,574	ETINI-M	Leather Case for bayonet-mounting rigid 90mm Elmar lens.	6.90
14,576	ETONO	Leather Case for 90mm Elmar collapsible lens	6.00



14,560

Catalog Number	Code Word	Item	Retail Price
14,577	EZDOO	Leather Case for 125mm Hektor lens	\$ 6.00
14,580	ETIPO	Leather Case for 135mm Hektor lens	7.20
14,585	EMTFO	Leather Case for Visoflex with 125mm Hektor, 135mm Hektor in short mount or 200mm Telyt lens	24.00
14,587	EMQOO	Leather Case for 400mm Telyt lens, Visoflex housing and Leica camera with double cable release and two filters	66.00
14,656	OIBUO	Leather Case fitted for screw-mounting Stemar, Stereo Prism, Stereo Viewfinder, and Stereo lens hood	24.00
14,657	OIBUO-M	Leather Case fitted for bayonet-mounting Stemar, Stereo Prism, Stereo Viewfinder and Stereo lens hood	24.00
14,602	BHOOV	Plastic Case for screw-mounting 21mm f/4 Super Angulon lens	1.65
14,603	PNLOO	Plastic Case for bayonet-mounting 21mm f/4 Super Angulon lens	1.65
14,590	BOORW	Plastic Case for screw-mounting 28mm Hektor, 35mm Elmar or Summaron or 50mm Elmar f/3.5 lens . . . . .	.90
14,595	POLMO	Plastic Case for former bayonet-mounting 35mm Summaron lens without "RF" viewing unit	1.65
14,600	BOOSK	Plastic Case for screw-mounting 50mm Summitar, Summicron or Summarit lens	1.20
14,601	POLWO	Plastic Case for bayonet-mounting 50mm Elmar, Summicron or Summarit lens	1.65
14,605	BOOPV	Plastic Case for screw-mounting 90mm Elmar lens	1.20
14,606	POLYO	Plastic Case for bayonet-mounting 90mm Elmar collapsible lens	1.65
14,607	POLXO	Plastic Case for bayonet-mounting 90mm Elmar rigid lens	1.80
14,610	BDOOZ	Plastic Case for screw-mounting 135mm Hektor lens	1.50
14,611	POLZO	Plastic Case for bayonet-mounting 135mm Hektor lens	2.10



14,605

FILTER CASES

14,660	POOSD	Plastic Filter Box for filters fitting 28mm Hektor and Summaron; 35mm Elmar and Summaron; 50mm Elmar f/3.5, Summitar and Summicron; 90mm Elmar and 135mm Hektor lenses . . . . .	.45
14,661	POOUE	Plastic Filter Box for filters fitting 50mm Summarit lens . . . . .	.45



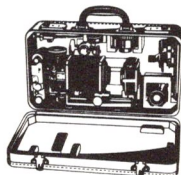
14,660

FINDER CASES

14,615	EBOOH	Leather Case for Imarect viewfinder	\$ 1.80
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14,625



14,650

<i>Catalog Number</i>	<i>Code Word</i>	<i>Item</i>	<i>Retail Price</i>
14,617	COOPB	Leather Case for 21mm or 28mm Optical Bright-Line viewfinder	\$ 1.05
14,620	COOXN	Leather Case for 35mm Optical Bright-Line viewfinder	1.20
14,625	COOYA	Leather Case for 50mm Optical Bright-Line viewfinder	1.20
14,630	CPBOO	Leather Case for 85mm, 90mm, or 135mm Optical Bright-Line viewfinder.	1.20
14,635	RWBOO	Leather Case for Universal Frame Finder. . .	1.20
ACCESSORY CASES			
14,640	EHLOO	Leather Case for rangefinder FOKOS.	2.10
14,613	EYZOO	Leather Case for Summitar or Summicron collapsible lens hood	1.50
14,645	APOOM	Leather Case for self-timer . . . . .	.90
14,650	UYOOQ	Fiber Case for Bellows Focusing Device and accessories.	19.50

EXPOSURE METERS

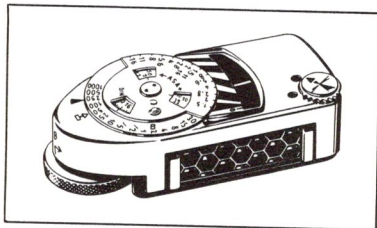
Two "musts" for good photography are correct focus and correct exposure. The built-in coupled range finder of your Leica assures proper focus; correct exposure is determined by your Leica-Meter.

There are two basic Leica-Meters, both of which fit into the accessory clip of the Leica. The convenient meter location and its angle of coverage, which approximates the 50mm. lenses, makes it easier than ever to make better pictures with your Leica. You can even get a booster cell to increase the range of your meter for use under poor lighting conditions.

THE LEICA-METER "MC"

The Leica-Meter "MC" is designed for use with the Leica M2 or M3 and fits the accessory clip of these models only. It couples to the shutter dial as you put it in the camera accessory clip. Its direct-reading calculator is calibrated in ASA and DIN and has two sets of aperture markings. You use the red set when the meter's sensitivity selector is set to the red dot for use at low light levels.

The booster cell increases the sensitivity of the meter an additional 4 times. An incident light attachment comes with the Leica-Meter "MC". You need no carrying case for the Leica-Meter "MC", because the Eveready case for the M2 or M3 holds the camera with meter attached.



Leica-Meter "MC"

THE LEICA-METER 3

The Leica-Meter 3 is small and compact; you can use it in the ingenious Eveready case that comes with it, or in the accessory clip on your Leica. Some people even find it handy to carry the meter on the little chain and retainer plate that comes with it. They clip the incident light adapter to the other end of the chain so it is always near at hand.

The calculator of the Leica-Meter 3 is calibrated in ASA and DIN and has two index marks; one for bright light, and one for poor light when you use the special booster cell. The booster cell comes in a hard leather case, and attachments for incident light measurement are furnished with both the meter and its booster cell.

<i>Catalog Number</i>	<i>Code Word</i>	<i>Item</i>	<i>Retail Price</i>
16,220	METRA-C	Leica-Meter "MC" without booster cell or case, but with incident light attachment.	\$33.00
16,221	METRA-MBOOW-C	Leica-Meter "MC" with booster cell, booster cell case and incident light attachments, but without meter case	39.00
16,270	METTWB	Leica-Meter 3 with booster cell, incident light attachments, retainer plate, carrying chain, Eveready case for meter and case for booster cell.	24.00
16,272	METTNC	Leica-Meter 3 without booster cell, but with incident light attachment, retainer plate, carrying chain and Eveready case.	18.00
16,235	MBOOWT	Booster Cell for Leica-Meter 2 and 3 with leather case.	7.50
16,222	MBOOW-C	Booster Cell for Leica-Meter "MC" with case and incident light attachment.	7.50

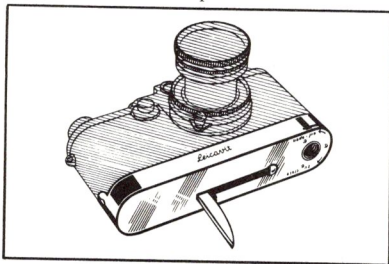
Replacement and Accessory Parts

16,018	MBOOW	Booster Cell for Leica-Meter "M"	\$ 7.50
16,218	METRIL	Incident Light Attachment for Leica-Meter "M" . . . . .	.90
16,223		Incident Light Attachment for Leica-Meter "MC" . . . . .	.90
16,224		Incident Light Attachment for Leica-Meter "MC" booster cell . . . . .	.90
16,240	METML	Incident Light Attachment for Leica-Meter 2 and 3 . . . . .	.75
16,245	METBIL	Incident Light Attachment for booster cell of Leica-Meter 2 and 3. . . . .	.90
16,250	METRPC	Retaining Plate and carrying chain for Leica-Meter 2 and 3. . . . .	.75
14,646	EDOOF	Leather Case for Leica-Meter "M"	3.90
14,648	CASCEL	Leather Case for Leica-Meter "M" booster cell . . . . .	.60
14,649		Leather Case for Leica-Meter "MC"	3.90
16,255	METECT	Eveready Case for Leica-Meter 2 and 3	1.50
16,260	METCBT	Case for Leica-Meter 2 and 3 and Leica-Meter "MC" booster cell . . . . .	.60
10,027	CLIPP	Shoe for mounting Leica-Meters (except models "M" and "MC") on cameras of larger size	1.20

ATTACHMENTS

(Small Accessories)

Leicavit Rapid Winder.



The Leica System of Photography gets its tremendous versatility from the many well-engineered accessories which it offers you. There is hardly a field of photography in which you cannot excel with your Leica. The many accessories available to the Leica owner are for handling those unusual or specialized situations which he is likely to encounter. This listing of small accessories supplements the more specialized items listed under their respective headings.

Leicavit Rapid Winder

Catalog Number	Code Word	Item	Retail Price
16,010	ASKOO	Self-Timing Device having a delay of approximately 12 seconds between tripping and exposure, in leather case	\$ 7.80
16,000	APDOO	Self-Timing Device without case	6.90
14,645	APOOM	Leather Case for Self-Timing Device. . . . .	.90
16,011	HEBOO	Slow Speed Attachment with speeds of 1, 1/2, 1/4, and 1/8 second fitting Leica cameras which do not have built-in slow speeds	12.00
16,015	SYOOM	Leicavit Rapid Winder, manually operated, for sequence photography. Replaces Leica baseplate. (Cannot be used on bayonet-mounting Leicas or those with serial numbers below 400,000)	30.00
16,014	SYOOM-M	Leicavit Rapid Winder for M2 or M1 (cannot be used on Leica M3)	34.50
10,100	FSIWRK	Film Speed Indicating Winding Knob adjustable to indicate speed of film in both A.S.A. and Weston ratings, showing RED for color and BLACK for other film; as supplied on Leica models If, IIf, and IIIf. For interchanging with non-indicating winding knob on Leica cameras with serial numbers over 400,000.	2.10
14,057	ORAKO	Orange Rangefinder Filter (slip on) for Leica Camera Models II, III and IIIa (10mm diameter)	2.70
14,058	OKARO	Orange Rangefinder Filter (slip on) for Leica Camera Models IJc, IIf, IIIb, IIIc and IIIf (11mm diameter).	2.70
14,021	SVOOP	Take-up Spool with pop-up knob for If, IIf, and IIIf and earlier Leica cameras	2.40
14,022	SPOOM	Take-up Spool (marked "M") with pop-up knob for Leica M1, M2, M3, Ig and IIIg. (Unmarked Spools cannot be used with the Ig, IIIg).	2.40
14,070	FINOT	Cable Release (10 inches) with locking screw for all Leica cameras except bayonet-mounting models	1.20
14,067	FONOT	Cable Release (10 inches) with locking screw for bayonet-mounting Leica models	1.05
14,075	OPKOM	Cable Release (20 inches) with locking screw for all Leica cameras except bayonet-mounting models	1.62



16,000



14,070

Catalog Number	Code Word	Item	Retail Price
14,080	FIDRI	Cable Release (10 feet) for all screw-mounting Leica cameras	\$10.50

14,084	MQUOO	Mouth Release fitting all screw-mounting Leica cameras. Permits release of shutter by closing teeth on clamp. Complete with 11" cable release. (Ideal for tripping shutter when holding off-camera flash or for handicapped persons)	1.80
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14,085	OZWT0	Double Cable Release for Visoflex I and any screw-mounting Leica	7.50
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14,083	OZWTO-M	Double Cable Release for Visoflex I and bayonet-mounting Leica models	7.50
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14,086	OZXVO	Release Coupling for Visoflex I and any screw-mounting Leica. Single-button hand or cable release operation	9.00
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14,088	OZTNO	Release Adapter. Adapts Visoflex I Double Release #14,085 and camera Cable Releases #14,070, #14,075 and #14,080 to bayonet-mounting Leica models.60
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14,091		Neck Strap for all Leica cameras90
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14,110	TOOQE	Table Tripod with small ball-and-socket tripod head	10.50
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14,100	TOOUG	Table Tripod without ball-and-socket head	5.70
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14,105	FOOMI	Ball-and-Socket Tripod Head, small	4.80
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14,115	KGOON	Ball-and-Socket Tripod Head, large rigid construction, with built-in adapters for European and ASA Tripod Threads	9.90
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CORRECTION LENSES

When ordering correction lenses it is necessary that prescription be provided for the eye used.

14,060	OPRTO	Correction Lenses for Leica models IIIb, IIc, IIIc, IIf, and IIIf. To correct near and far sightedness	\$ 9.00
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14,065	OPSV0	Correction Lenses for Leica models IIIb, IIc, IIIc, IIf, and IIIf. To correct astigmatism	10.50
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14,064	OKBZO	Correction Lenses for Leica model IIIg. To correct near and far sightedness.	9.00
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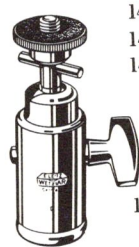
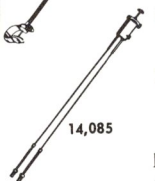
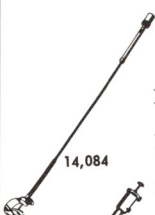
14,066	OKVCO	Correction Lenses for Leica model IIIg. To correct astigmatism	10.50
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14,061	ORTOX	Correction Lenses for Leica M 2 and M 3. To correct near and far sightedness	9.00
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14,062	ORLEO	Correction Lenses for Leica M 2 and M 3. To correct astigmatism	13.50
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14,063	OQZIO	Correction Lens for 4X-45° magnifier #16,725 and 5X wide-field magnifier #16,625 to correct near-and-far sightedness.	6.60
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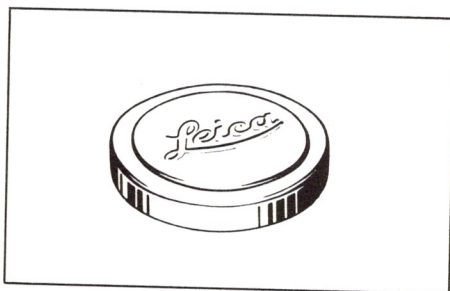
90,500	DIOOY	Diopter Selector Disc. A testing device to enable the Leica owner to ascertain if a correction lens will assist him in using his Leica to better advantage. The Selector is not to be used for determining the power of the correction lens and a prescription is required from the customer when he places his order. The Selector will be offered only to Leica dealers	9.00
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LENS PROTECTION COVERS

Protect the quality and performance you bought when you chose your Leica lens. Even when it is in its own or the Eveready case, it can pick up dirt, moisture or small scratches on the front or rear surfaces;—and they can affect its fine performance. Each Leica lens has a front cap when you buy it; put a rear cap on it when you carry it separate from the camera.

Many owners carry a second Leica without a lens, interchanging lenses between cameras as needed. If you do this, protect the interior of your Leica with a lens opening cover.



Front Lens Cap.

FRONT COVERS

<i>Catalog Number</i>	<i>Code Word</i>	<i>Item</i>	<i>Retail Price</i>
14,025	ORVZO	Front Lens Cap, chrome plated, fitting 28mm Hektor or Summaron, 35mm Elmar and Summaron, 50mm and 90mm Elmar, and 135mm Hektor screw-mounting lenses	\$.75
14,027	OQYGO	Front Lens Cap for 90mm Summicron f/2 lenses with serial numbers below 160,000 . .	.90
14,030	ORSTO	Front Lens Cap, chrome plated, fitting 50mm Summarit lens. . . . .	.84
14,031	ORQDO	Front Lens Cap, chrome plated, fitting 50mm Summicron and all Leica lenses with 42mm flange diameter . . . . .	.84
14,032		Front Lens Cap, screw-in type. Fits lenses with 42mm front diameter	1.95
14,035	ORXDO	Front Lens Cap, chrome plated, for 50mm Summarit lens . . . . .	.84
14,036	ORNIO	Front Lens Cap, chrome plated, for 50mm Summilux f/1.4 lens. (Fits front lens flange, not lens hood) . . . . .	.90
14,040	ORPNO	Front Lens Cap, chrome plated, for 85mm Summarex and 125mm Hektor lenses . . . . .	.96
14,045	TNOOZ	Front Lens Cap, black finish, for 200mm Telyt lens . . . . .	.84
14,046	TNOOQ	Front Lens Cap, black finish, for 400mm Telyt lens	2.52
14,047	OIWKO	Front Lens Cap, chrome plated, for Stemar stereo attachment	2.10

REAR COVERS



14,050

<i>Catalog Number</i>	<i>Code Word</i>	<i>Item</i>	<i>Retail Price</i>
14,042	IR00W	Rear Lens Cap for bayonet-mounting 21mm Super Angulon lens	\$ 1.80
14,048	OIXMO	Rear Lens Cap, for screw-mounting 21mm f/4 Super Angulon lens. (Will also fit screw-mounting "STEMAR")	1.20
14,050	ORYFO	Rear Lens Cover, chrome plated, for all screw-mounting Leica lenses (except 21mm lens) and Visoflex. . . . .	.75
14,051	IZQOO	Rear Lens Cover, plastic, for all bayonet-mounting lenses (except 21mm lens) and Visoflex . . . . .	.90
14,151	IZMOO	Rear Lens Cover, chrome plated, for all bayonet-mounting lenses (except 21mm lens) and Visoflex	1.80
14,053	HGOOI	Rear Lens Cap, chrome plated (large diameter), for 125mm Hektor; fitting inverted lens hood	1.80
14,049	OIVHO	Rear Dust Cap, chrome plated, for bayonet-mounting Stemar stereo attachment	1.80
14,052	OIZQO	Rear Dust Cap for Stemar Stereo Prism Attachment	1.80

CAMERA COVERS



14,055



14,056

14,055	ORTVO	Lens Opening Cover, chrome plated, for Leica cameras having threaded lens flange . . . . .	.75
14,056	IVZOO	Lens Opening Cover for Leica cameras having bayonet-type lens flange.	1.05

PUBLICATIONS

The pleasure or profit you get from photography is largely measured by how good your pictures are. You needn't take an extensive course in photography to enjoy your hobby, but you should know its fundamentals.

Sharing your photographic adventures and discussing your mutual interests with other Leica owners is the best way to keep your interest high and to improve your pictures. You will find it helpful to join your local camera club and also The Photographic Society of America—the national organization dedicated to the betterment of photography. If your interests are technical or in some specialized branch of photography, you will find several societies catering to you. You should have one or more good books on photography in your library.

MAGAZINES

The magazine LEICA PHOTOGRAPHY binds Leica owners in a great fraternity; its pages discuss your mutual problems and explain how best to use your Leica equipment. Writings of timely interest, pictures taken by other Leica owners and educational "How To Do It" articles are regular features. LEICA PHOTOGRAPHY is published quarterly by E. Leitz, Inc., New York. It is mailed free to registered owners of new Leica cameras and lenses imported by E. Leitz, Inc. for limited periods of time, based on the date of purchase of the equipment. Others may subscribe to the magazine for the nominal prices listed below. For details, write:

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468 Fourth Avenue
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The magazine LEICA FOTOGRAFIE, published six times a year in Germany, may be obtained in either English or German editions by subscription from:

Rayelle Foreign Publications
76 W. Chelton Avenue
Philadelphia 44, Pennsylvania

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 and you may get them from your Leica Dealer. Do not write to E. Leitz, Inc.

Catalog Number	Code Word	Item	Retail Price
20,010	LIMAN	Leica Manual and Data Book. An authoritative book on the Leica, its accessories and their uses. Has 456 pages covering all branches of Leica photography. Data on all Leicas including the M 3. Charts, tables. Cloth bound	\$ 6.00

Catalog Number	Code Word	Item	Retail Price
20,014	PLBKKEE	Pocket Leica Book by Theo Kisselbach. An authoritative book covering the Leica, its accessories and their uses. Basic principles and theory of Leica photography explained in non-technical language. Hard covers, 192 pages, translated from the German	2.95
20,016	TLWAME	The Leica Way by Andrew Matheson. A 423-page illustrated book packed with information on the construction and use of the Leica, its lenses and accessories. The Leica M 3 is fully discussed as well as discontinued models of the Leica. 88 Leica photographs; more than 250 diagrams; 34 pages of tables and formulas. Third Edition; cloth bound . . .	5.40
20,018	WBTFFMM	35mm Color Magic by Walther Benser. An instructive, amusingly written book on Leica color photography by Europe's outstanding lecturer and writer on the subject. Hard covers, over 200 pages with 40 full color plates	6.90
20,026	LPPHS	The Leica in Professional Practice by Heinrich Stockler. A compilation by the editor of Leica Fotografie of 27 articles on professional photography; subjects range from Leica technique through journalistic and commercial photography to the use of Leica in science and medicine; each chapter written by an expert in his field. Hard covers, 62 four-color plates, 200 black-and-white illustrations, 340 pages. Translated from the German	9.95
20,020		Leica Instruction Book for models If, IIf and IIIf . . . . .	.35
20,024		Leica Instruction Book for model M 2 . . . . .	.35
20,022		Leica Instruction Book for model M 3 . . . . .	.35
20,023		Leica Instruction Book for Model IIIg . . . . .	.35
20,000	LPBGL	Leica Photography Binder (9½ x 11½ inches) holding up to 8 copies of Leica Photography. Hard cover finished in green leatherette with embossed gold lettering	3.00
20,005	LEBBM	Leica Binder (7 x 9 inches), multiple ring, 1 inch capacity, for holding Leica booklets and literature. Flexible cover finished in blue morocco with gold stamping. Supplied with 5 index separators and registration card	1.35

FREE LITERATURE AVAILABLE ON REQUEST

Leica Cameras and Lenses	Braun Hobby Flash Units	Valoy II Enlarger
Leica M 2	Imarect Viewfinder	Focomat Ic Enlarger
Leica M 3	Leica Meter 3	Focomat Ilc Enlarger
Leica IIIg	Chico Flash Unit	Rondinax Developing Tank
Leica Ig	BOOWU Copying Device	

CLOSE-UP PHOTOGRAPHY

Through close-up photography, you can enter and record a world which is otherwise closed to you by the limitations of the human eye. With the camera you can explore the delicate beauty of the interior of a flower, the strangeness of the insect world, and even the fascinating microscopic life in a drop of pond water. And on a purely practical level, close-up photography enables you to copy a rare document, make records of your stamp or coin collection, and do a thousand other useful jobs.

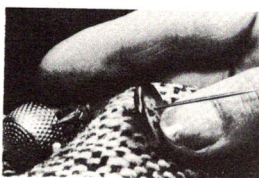
So, early in Leica history, accessories for close-up, macrophotography and photomicrography became an important part of the Leica System. There are a variety of them, refined and perfected by four generations of microscope-making experience, designed to meet every need and every budget.

Close-ups and macrophotographs are made possible by extending the lens further from the film plane than the focusing mount normally permits. This increased extension is achieved by interposing one or more rigid extension tubes, or a flexible bellows, or a combination of both, between the lens and the camera body. The ground-glass focusing screens of the Visoflex and the Focoslides permit precise framing and focusing of the subject directly through the lens.

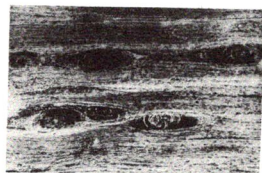
Close-Up photography falls into three classifications:



Gross photography.—Photography at distances between the minimum focusing range of the lens and natural size (image size = object size).



Macrophotography.—Photography at magnifications on the negative (larger than natural size) without the aid of a microscope.



Photomicrography.—Photography at high magnifications using a microscope. The Leica lens is not used, but is replaced by the optical system of the microscope.

Leitz close-up accessories are of two types—fixed focus and variable focus. The former are light, easy to carry and inexpensive, but have limited applications. The variable focus units cost somewhat more, but are universal in use, as well as being light and portable. The Reproduction units are designed for the photographer who does a great deal of copying or close-up work and who needs a permanent setup for this work.


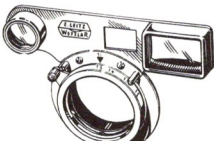

Photomicrography differs from close-up and macrophotography in that the optics of the camera are not used. The camera body acts chiefly as a film transport; the microscope lenses form the image. Several accessories for photomicrography are available, so that you can choose the one which best meets your individual needs.

OPTICAL CLOSE-FOCUSING DEVICES

The Optical Close-Focusing Devices are unique among Leica close-up accessories in that they make use of the camera's built-in range- and viewfinders for focusing and framing the picture. They increase the usefulness of most 50mm Leica lenses in the same general way that the built-in close-up range of the 50mm Dual-Range Summicron increases its usefulness. In addition to increasing the extension between lens and film, these accessories use a moving optical wedge to adapt the rangefinder for close-distances and a mask in front of the viewfinder to compensate automatically for parallax and reduced field of view.

The NOOKY, SOOKY and NOOKY-HESUM fit any screw-threaded Leica with coupled rangefinder except the IIIg. The SOOKY-M fits the Leica M 3 and M 2.




OPTICAL CLOSE-FOCUSING DEVICES

Catalog Number	Code Word	Item	Retail Price
 16,502	16,500 NOOKY	Close Focusing Device for screw-mounting 50mm Elmar f/3.5 lens (1:17.5--1:6.5) . . .	\$ 36.00
 16,507	16,502 SOOKY	Close Focusing Device for screw-mounting 50mm Summicron f/2 or Elmar f/2.8 lens (1:17.5--1:8)	36.00
	16,505 NOOKY-HESUM	Close Focusing Device for screw-mounting 50mm Summar or Summitar f/2 lens	31.50
	16,507 SOOKY-M	Close Focusing Device, bayonet-mounting; accepts bayonet-mounting collapsible 50mm lenses, screw-mounting 50mm Summicron and 50mm Elmar f/3.5 and 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")	36.00
 16,508	16,508 UOORF	Adapter fitting lens unit of rigid-mount Summicron to Close Focusing Device #16,507 or Auxiliary Reproduction Unit #16,526	2.70
	16,509 SOOKY-M UOORF	Close Focusing Device #16,507, complete with Adapter #16,508 for use with lens unit of rigid 50mm Summicron. See descriptions of #16,507 and #16,508 for other uses	38.70

FIXED FOCUS UNITS

The Auxiliary Reproduction Units are easily disassembled and fit easily into a pocket or gadget bag. They are fixed focus devices used mainly for copying printed material or small objects. Their extensible legs both outline the picture area and automatically hold the camera at the proper distance from the subject, making them extremely simple to use.

You can use them on any Leica which accepts interchangeable lenses, being sure, of course, to choose one designed for the type of lens mount your Leica has.

 16,520	16,520 BEHOO	Auxiliary Reproduction Unit (1:1.5-1:2-1:3) for 50mm screw-mounting Elmar f/3.5 or Summar f/2 lens. Covers areas of 1 13/32" x 2 1/8", 1 7/8" x 2 27/32" and 2 27/32" x 4 13/32".	15.00
 16,520	16,525 BOOWU	Auxiliary Reproduction Unit (1:4-1:6-1:9) for all 50mm screw-mounting Leica camera lenses. Covers areas of 4 1/8" x 5 3/4", 5 3/4" x 8 1/4" and 8 1/4" x 11 5/8".	28.50
 16,520	16,526 BOOWU-M	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 5/8".	36.00

BELLOWS EQUIPMENT

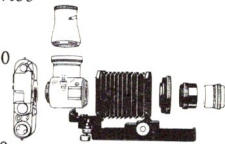
The Bellows Focusing Device is used with the Visoflex I. It provides continuously variable extension between the camera lens and focal plane, adjustable by rack and pinion. The Bellows device can be used with any interchangeable Leica lens within certain focusing range. However, it is at its most versatile when used with the Visoflex I and lens units of the 125mm or 135mm Hektor. Two scales on the bed of the Bellows Attachment show ratios of reproduction and exposure factors at various settings. One is for the 125mm lens, the other for the 135mm lens.

Working with the Visoflex I, Bellows and lens unit of the 135mm Hektor, you have continuous focus from infinity down to a 1:1 image-object ratio (life-size).

Various lens adapters are available for use with the Bellows Device. They are interchangeable, and screw into the front of the assembly. There are adapters for collapsible 50mm Elmar and Summicron lenses and another for the lens units of the 50mm Dual-Range or rigid-mount Summicrons. The two-piece adapter for the 135mm Hektor serves two purposes. It adapts the front of the Bellows Focusing Device to accept a Leica lens screw thread. And a tubular section provides the proper lens extension for infinity to 1:1 focusing with the Bellows Device and Visoflex I. Removing the tubular section exposes a Leica thread which accepts screw-mounting lenses or various extension tubes.

The Bellows Focusing Device with Visoflex I can be used on a tripod. Or, with adapters, you can also use it on carrying arms which fit the uprights of Leitz enlargers. For critical focusing, when you are working at predetermined image-object ratios, you can add the Rack and Pinion Fine Adjustment as an accessory.

Catalog Number	Code Word	Item	Retail Price
16,555	UXOORHE	Bellows Focusing Device with divisible adapter for 135mm Hektor lens or all other screw-mounting Leica lenses	\$ 66.00
<i>135mm Hektor lenses with serial numbers below 241,000 cannot be used with the Bellows Focusing Device.</i>			
11,055	OZYXO	Visoflex I, screw-mounting; with 5X wide-field magnifier and double cable release	102.00
16,710	OZUPO	Visoflex I, screw-mounting; without magnifier but with double cable release	81.00
16,711		Visoflex I, screw-mounting, without magnifier or cable release	73.50
11,155	OZYXO-M	Visoflex I, bayonet-mounting; with 5X wide-field magnifier and double cable release	105.00
16,712	OZUPO-M	Visoflex I, bayonet-mounting; without magnifier but with double cable release	84.00
16,713		Visoflex I, bayonet-mounting, without magnifier or cable release	76.50
14,085	OZWTO	Double Cable Release for Visoflex I and any screw-mounting Leica	7.50
14,083	OZWTO-M	Double Cable Release for Visoflex I and bayonet-mounting Leica Models	7.50
14,086	OZXVO	Release Coupling for Visoflex I and any screw-mounting Leica. Single-button hand or cable release operation.	9.00
14,088	OZTNO	Release Adapter. Adapts Visoflex I Double Release #14,085 and camera Cable Releases #14,070, #14,075 and #14,080 to bayonet-mounting Leica Models . . . . .	.60
16,625	LVFOO	Wide-Field Magnifier (5X) for Visoflex I	21.00



16,555


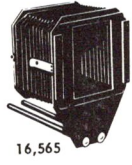
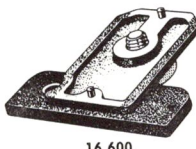


16,711



16,625

BELLOWS EQUIPMENT

<i>Catalog Number</i>	<i>Code Word</i>	<i>Item</i>	<i>Retail Price</i>
 16,725	PEGOO	Wide-Field 45° Magnifier (4X) for Visoflex I. The image is erect and laterally correct.	42.00
 16,565	UZEOO	Bellow Lens Hood (with removable mask) for screw-mounting lenses of 36mm front diameter only.	16.50
	UEPOO	Interchangeable Clamping Ring for Bellows Lens Hood #16,565. Converts to #16,567 for use with Leica lenses having 42mm front diameter.	4.80
	UZEOO-M	Bellows Lens Hood (with removable mask) for 42mm front diameter 135mm Hektor lens	16.50
	UEOOK	Interchangeable Clamping Ring for Bellows Lens Hood #16,567. Converts to #16,565 for use with lenses having 36mm flange diameter	4.80
	UOOST	Divisible Adapter fitting 135mm Hektor lens unit to bellows. (Lenses having serial numbers 245,000 to 245,800 or lower than 241,000 must be sent to Service Department for fitting)	4.80
	UOOTG	Divisible Adapter fitting any rigid 90mm Elmar lens unit to bellows	4.80
	UOOXI	Adapter fitting 125mm Hektor lens to bellows	2.70
	16,551	Interchangeable Scale for Bellows Focusing Device used with 90mm lens. Direct-reading; shows ratios of reproduction and exposure factors at all bellows extensions . . . . .	.75
	16,552	Interchangeable Scale for Bellows Focusing Device used with 125mm lens. Direct-reading; shows ratios of reproduction and exposure factors at all Bellows extensions . . . . .	.75
	16,595	Bayonet Adapter fitting 50mm screw-mounting Elmar 50mm f/3.5 lens to bellows	4.80
	16,596	Bayonet Adapter fitting 50mm bayonet-mounting Elmar or Summicron lens to bellows	6.90
	16,597	Bayonet Adapter fitting 50mm Summitar lens to bellows	4.80
	17,801	Adapter fitting lens units of 50mm Dual-Range and rigid-mount Summicron lenses to bellows. Used with adapter ring #16,590 . . .	2.10
	16,590	Adapter Ring fitting Leica lenses or extension tubes to bellows	3.45
	16,580	Special Extension Tube fitting 135mm Hektor lens unit to bellows adapter ring. (Lenses having serial numbers 245,000 to 245,800 or lower than 241,000 must be sent to Service Department for fitting.)	1.35
	16,585	Special Extension Tube fitting 90mm Elmar lens unit to bellows adapter ring	1.35
	16,620	Diaphragm Adjusting Ring for screw-mounting 50mm f/3.5 Elmar lens. Settings are indicated by click stops and are visible from the side .	6.60
 16,600	16,600	Adapter Plate fitting bellows to carrying arms for use on enlarger uprights, Rack and Pinion Fine Adjustment or Valoy II Enlarger carrying arm with adapter #16,706 (page D 7)	2.10
	14,650	Fiber Case fitted for Bellows, Visoflex I, Focoslide, Leica and accessories	19.50

FOCOSLIDE EQUIPMENT

The Focoslide is a most versatile accessory for close-up and macrophotography. You can even adapt it for photomicrography! It is the basis of all Reproduction Units except the Reprivit II, and even this uses a focusing stage similar to the Focoslide.

In use, the Focoslide accepts the Leica on its sliding upper platform. With this method, film is in the same plane as the ground-glass focusing screen. The lens with its auxiliary Focomount (focusing mount) and extension tubes (if needed) screws into the lens flange of the lower platform. You focus sharply on the ground-glass and slide the camera into position. Two tripod bushings permit you to mount the Focoslide on a tripod or on carrying arms which fit the enlargers.

There are now two models of the Focoslide available; #16,607 for all Leica cameras with screw-mounting lenses, and #16,850 for all Leicas with bayonet-mounting lenses. Both accept the new-type, large-diameter Focomount in which the lens adapters are attached by means of three screws, and which can be interchanged with the aid of a screwdriver.

The former Focoslides for the IIIg, IIIf and former Leica cameras with screw-mounting lenses have been discontinued. But certain accessories and extension tubes for these Focoslides are still available.

Supplementary Focoslide Equipment

Focomounts are available for both current and former models of the Focoslide. As mentioned, these provide for the mounting of various Leica lenses on the Focoslides, as well as a means of focusing the lenses.

Extension tubes are also available to increase the lens-to-film distance and thus to increase image magnification on the negative. These, too, are available for both present and former Focoslide models.

Various adapters and other supplemental equipment increase the versatility Focoslide still further. For instance, the Focoslide can be mounted on the upright of the Valoy II via a simple adapter, forming an excellent copying outfit. The Projection Head fits over the ground-glass screen of the Focoslide in place of the focusing magnifiers. When you turn it on, a focusing pattern in the clear area of the Focoslide screen projects onto the copying board. You adjust the lens until this pattern is sharp. The projected light area outlines the area to be photographed. The Diaphragm Adjusting Ring provides a simple means of aperture adjustment when certain 50mm lenses are used on the Focoslide.

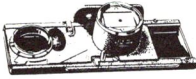
Highly corrected magnifiers are available to help you get sharp focus and exact framing. Each fastens to the focusing screen of either current or former Focoslide models via a bayonet catch. And each (except for the 45°, 4X model) is interchangeable among the Focoslide, Visoflex I and Reproduction Units. (Magnifiers for the Visoflex II, however, fit only that accessory.)

The 30X Magnifier is used with the clear central spot in the Focoslide screen for aerial focusing of the image.

For convenience, complete Focoslide outfits are listed, as well as individual components. Each outfit is designed for use with a particular Leica lens, and includes components such as magnifiers, Focomounts, extension tubes, and so forth.

FOCOSLIDES

Catalog Number	Code Word	Item	Retail Price
16,607	OObAZ	Focoslide accepting all screw-threaded Leica cameras	\$ 43.50
16,850	OOTGU	Focoslide accepting all Leica cameras with bayonet-mounting lenses.	43.50



16,850

AUXILIARY MOUNTS

(All Focomounts are adjustable through a range of 22mm.)

16,608	VXZOO	Focomount with Lens Adapter #1 for screw or bayonet-mounting Elmar 50mm f/2.8 or bayonet-mounting Elmar 50mm f/3.5, adjustable through a range of 1:12.5 - 1:2 (with Extension Tube N 1:1.7 - 1:1)	13.50
16,609	VXOOT	Focomount with Lens Adapter #2 for screw-mounting Elmar 50mm f/3.5, 1:18 - 1:2 (with Extension Tube N 1:1.8 - 1:1.1)	13.50
16,858	ZQGOO	Focomount with Lens Adapter #3 with standard Leica thread 39mm-1, accepting Focotar 50mm f/4.5 lens, adjustable through a range of infinity - 1:2.5 (with Extension Tube N 1:2.2 - 1:1.1)	13.50
16,855	VSPOO	Focomount with Lens Adapter #4 for lens unit of the bayonet-mounting Dual-Range or rigid 50mm Summicron lenses, 1:60 - 1:2.2 (with Extension Tube N 1:1.9 - 1:1.1)	13.50



16,855



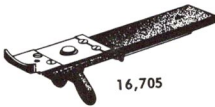
16,885



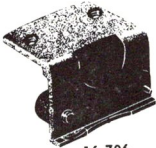
16,856

EXTENSION TUBES AND SUPPLEMENTAL EQUIPMENT FOR NEW FOCOMOUNTS #16,608, #16,609, #16,858 and #16,855

16,885	VWOOU	Repro Extension Tube N, 26mm, with 51mm-1 thread, fits between Focoslide and Focomount. Use multiple combination of this tube to obtain magnification higher than indicated in Focomount listing above.	2.70
16,622	VTOOX	Diaphragm Adjusting Ring for Elmar 50mm f/2.8	9.00
16,620	VALOO	Diaphragm Adjusting Ring for screw-mounting Elmar 50mm f/3.5	6.60
16,856	VTROO	Diaphragm Adjusting Ring for lens unit of Summicron 50mm f/2 rigid or Dual-Range.	9.00
16,614	VWXOO	Filter Adapter Ring, permits use of 36.5mm screw-in filters on 50mm Summicron lens unit or Elmar 50mm f/2.8 lenses with Diaphragm Adjusting Ring in position	\$ 2.25
16,700	YROOF	Rack and Pinion Fine Adjustment for Focoslide or Bellows	25.50
16,705	XBEEET	Adapter, with dovetail slide, fitting Focoslide to arm of Pillar Stands LURTE or US II	10.40
16,706	UWOOS	Valoy II Adapter for mounting Focoslide on carrying arm of Valoy II enlarger or Reprovit I	4.50
16,750	OUTSO	Projection Head with 100 watt lamp for Focoslide or Reprovit II focusing stage.	27.00



16,705



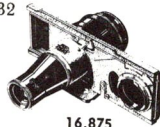
16,706



16,750

FOCOSLIDE OUTFITS

Catalog Number	Code Word	Item	Retail Price
16,632	OOGAN	Focoslide Outfit for screw-mounting Leica cameras and Elmar 50mm f/2.8, consisting of Focoslide #16,607, Focomount #16,608, Repro Extension Tube #16,885, Diaphragm Adjusting Ring #16,622, 5X Wide-Field Focusing Magnifier #16,625 and Cable Release #14,075 . . .	91.32
16,633	OOGIT	Focoslide Outfit for screw-mounting Leica cameras and Elmar 50mm f/3.5 consisting of Focoslide #16,607, Focomount #16,609, Repro Extension Tube #16,885, Diaphragm Adjusting Ring #16,620, 5X Wide-Field Magnifier #16,625, and Cable Release #14,075	88.92
16,634	OOGUM	Focoslide Outfit for screw-mounting Leica cameras and 50mm f/4.5 Focotar lens, consisting of Focoslide #16,607, Focomount #16,858, Repro Extension Tube N #16,885, 5X Wide-Field Magnifier #16,625, and Cable Release #14,075	82.32
16,875	OOMYL	Focoslide Outfit for bayonet-mounting Leica cameras and lens unit of Dual-Range or rigid mount 50mm Summicron, consisting of Focoslide #16,850, Focomount #16,855, Repro Extension Tube N #16,885, Diaphragm Adjusting Ring #16,856, 5X Wide-Field Magnifier #16,625, and Cable Release #14,067	90.75
16,878	OOMAP	Focoslide Outfit for bayonet-mounting Leica cameras and 50mm Focotar f/4.5 lens, consisting of Focoslide #16,850, Focomount #16,855, Repro Extension Tube N #16,858, 5X Wide-Field Magnifier #16,625, and Cable Release #14,067	81.75



16,875



16,715



16,625



16,720


FOCUSING MAGNIFIERS

16,625	LVFOO	Wide-Field Magnifier (5X)	21.00
16,725	PEGOO	Wide-Field 45° Magnifier for Visoflex I	42.00
16,715	PAMOO	Wide-Field 90° Magnifier (5X)	30.00
16,720	LWOOO	Magnifier (30X)	24.00



ACCESSORIES FOR FORMER STYLE FOCUSLIDES

**Extension Tubes With 39-1mm Thread
(Standard Thread of Screw-Mounting
Leica Lenses)**

Catalog Number	Code Word	Item	Retail Price
<p>These Extension Tubes have been designed for the former Focoslides (#16,605 and #16,606) but they can also be used on the new Focoslides with the Focomount #16,858 (after attaching Repro tube #16,615 to Focomount) to increase the extension and to obtain higher magnification.</p>			
16,635	BOOXZ	Extension Tube B (7mm) as supplied with #16,655	\$ 1.20
16,640	FVOOQ	Extension Tube F (15mm) as supplied with #16,655	1.50

Catalog Number	Code Word	Item	Retail Price
 16,615	ROOYH	Repro Extension Tube (26mm) for Focomounts #16,610 and #16,611	\$ 2.70
16,645	GVKOO	Extension Tube G (30mm) as supplied with #16,655	2.70
16,646	FUFOR	Extension Tube (45mm)	3.42
16,647	FULGX	Extension Tube (60mm)	3.77
16,648	FULHI	Extension Tube (90mm)	4.44


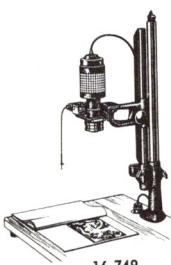
Supplementary Equipment

 16,610	ZOOXY	Focomount for Focoslide #16,605 and #16,606 for 50mm Elmar f/3.5 lens. Adjustable through a range of 22.5mm	12.00
16,611	ZOOWL	Focomount for Focoslide #16,605 and #16,606 for 50mm Focotar f/4.5 lens. Similar to #16,610, but with Leica lens thread.	14.40
16,613	ZOOVX	Adapter fitting 50mm Focotar f/4.5 lens to Focomount #16,610	2.40
 16,650	ZWDOO-HESUM	Intermediate Focusing Mount for 50mm Summar or Summarit lens as supplied with #16,655. Adjustable through a range of 8mm.	9.90
16,665	ZOOMF	Special Extension Tube (50mm) for short mounted 135mm Hektor lens	2.70
16,670	COOED	Short Focusing Mount for 90mm Elmar lens	16.50

Variable Focus Reproduction Units

The Reprovis I and II are convenient and versatile copying devices with a wide range of coverage and many accessories. The Reprovis I is built around the Focoslide; the Reprovis II is a professional unit designed for production work. Its focusing stage, mounted on a counterbalanced carrying arm, has a bellows and rack and pinion adjustment and a scale giving exposure factors and ratios of reproduction. Without additional accessories, areas from 16" x 24" to 1" x 1 1/2" can be covered by replacing the Focotar lens with a 24mm Micro Summar f/4.5 lens you can make macro-photographs up to 6.5 diameters on the negative. You can even take the focusing stage with bellows off the carrying arm and put it on a tripod for field use. Focus is continuous from infinity to natural size (1:1).

The Valoy II stand and arm can be adapted to accept the Visoflex I with Bellows Device or the Focoslide, forming still another variable focus reproduction unit.

 16,676	VALOCS	Valoy II Copying Stand. Consists of baseboard (15 1/2 x 17 3/4 inches); upright (32 inches high) with guide rail; assembly tool; carrying arm with coarse and fine adjustment and adapter for Focoslide. (Stand can be converted to enlarger by addition of Valoy II Enlarger Head.)	52.50
17,503	VALOEH	Valoy II Enlarger Head; complete with negative carrier and bulb. (Converts Valoy II Copying Stand to enlarger	48.00
16,749	ROODE	Reprovis I Reproduction Outfit. Consisting of: Copying Stand with offset bracket #16,746; removable upright with guide rail #16,747; adjustable carrying arm #16,748; Focoslide adapter #16,706 and Projection Head #16,750	132.00
 16,749	OLAQO	Copying Stand with baseboard 23 x 26 3/4 inches; change-over switch; upright 31 1/2 inches high, 40mm diameter and adjustable offset bracket	75.00

Catalog Number	Code Word	Item	Retail Price
16,742		Baseboard, 23 x 26 $\frac{3}{4}$ inches	\$ 46.50
16,743		Upright, 31 $\frac{1}{2}$ inches high, 40mm diameter	15.00
16,744		Offset Bracket. Can also be used on upright of Focomat Ic enlarger with Column #16,747, Adjustable Carrying Arm #16,748 and Adapter #16,706 to make copying unit for use with Focoslide	13.50
16,747	OKZPO	Removable Column, 25 $\frac{1}{2}$ inches long, with guide rail	9.00
16,748	OKYNO	Adjustable Carrying Arm, self-locking, with quick-set finger release and rack-and-pinion fine adjustment. (Accepts Valoy II enlarger head #17,503, Focoslide with adapter #16,706 or Bellows Focusing Device with adapters #16,706 and #16,600.)	16.50
16,706	UWOOS	Valoy II Adapter for mounting Focoslide on Carrying Arm #16,748	4.50
16,750	OUTSO	Projection Head with 100 watt lamp for Focoslide	27.00
16,760	UVWOO	Lamp Adapter for connecting four copying lamps to change-over switch of Reprovit I	2.70
16,795	ROOXU	Reprovit II Reproduction Outfit for Leica IIIg, IIIf and other Leica cameras with screw-mounting lenses; covering ratios from 1:17 to 1:1. Consisting of Copying Stand #16,765; Focusing Stage #16,770; Diaphragm Lever and Operating Guide #16,775; Projection Head; 50mm Focotar f/4.5 lens #16,781, Four-Lamp Illuminator #16,785	456.00
16,796	ROOXU-M	Reprovit II Reproduction Outfit for "M" series Leica cameras; otherwise, same as #16,795	456.00
16,765	RIOOX	Copying Stand with baseboard 23 x 27 inches, rubber supports and built-in change-over switch from focusing light to copying lights; double uprights 47 inches high with self-locking counter-balanced carrying arm for holding Focusing Stage; with tape measure and assembly tool. Supplied with Reprovit II	159.00
16,770	ROOAI	Focusing Stage with bellows and rack and pinion adjustment for Leica IIIg, IIIf and other Leica cameras with screw-mounting lenses; supplied with #16,795	108.00
16,771	ROOAI-M	Focusing Stage with bellows and rack and pinion adjustment for "M" series Leica cameras; supplied with #16,796	108.00
16,775	RDQOO	Diaphragm Lever and Operating Guide. (Automatically opens lens for focusing, closing to f/11 when exposing.) Supplied with Reprovit II	7.50



16,706



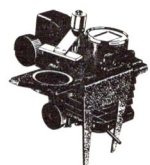
16,750



16,760



16,795



16,775 16,770

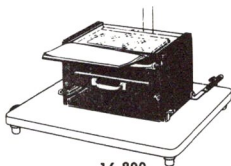
Catalog Number	Code Word	Item	Retail Price
16,750	OUTSO	Projection Head for focusing and aligning with 100 watt lamp for Focoslide or Reprint II focusing stage or Reprint I	\$ 27.00
16,781	DOOCQ	Repro 50mm Focotar f/4.5 lens with click stops. (Especially corrected for close distances.) Supplied with Reprint II	49.50
16,785	RKCOO	Four-Lamp Illuminator with 100 watt lamps connecting to change-over switch of Reprints I and II. Supplied with Reprint II	105.00
17,504	VOOLY	Valoy II Enlarger Head, with adapter, fitting carrying arm of Reprint II Reproduction Outfit. Converts Reprint II to an enlarger	64.00



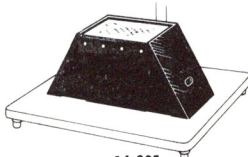
16,781



16,820



16,800



16,805

SUPPLEMENTAL EQUIPMENT

16,820	SUMAN-ROOZV	24mm Micro Summar f/4.5 with adapter for Reprint II. Magnifications up to 6.5X are possible	54.00
17,675	DOORX	Extension Ring for converting Focotar lens which is supplied with Reprint II to Focotar lens #17,581 for use with Valoy and Focomat Ic enlargers	1.50
16,800	RGWOO	Framing Box (11-5/8" x 16-5/8") with clamping device for Reprint II. Books and other material up to 5 inches thick are held flat against the glass top	111.00
16,805	OOEVM	Illuminating Box (7" x 9 1/2") for trans-illumination of material being photographed. A milk glass plate evenly diffuses the light from four 25 watt lamps	42.00
16,810	OOEUK	Illuminating Box (14" x 16") for trans-illumination of material being photographed. A milk glass plate evenly diffuses the light from four 60 watt lamps	84.00
16,815	BEEUL	Connecting Cord (5 foot) with switch for illuminating boxes #16,805 and #16,810	5.00

REPLACEMENT LAMPS

16,825	VOLAM	Projection Bulb (100 watt) for Projection Head #16,750	\$ 4.50
16,830	VFOOL	Bulb (100 watt) for Four-Lamp Illuminator #16,785	1.00
16,835	BERAT	Bulb (25 watt) for Illuminating Box #16,805 . . . . .	.80
16,840	VKOOK	Bulb (60 watt) for Illuminating Box #16,810 . . . . .	.90

PHOTOMICROGRAPHY

You get many advantages when you use your Leica for photomicrographs.

Film economy.—Unless you have had a lot of experience, you will make several exposures of each subject. While there are good exposure meters for photomicrography, they are expensive. Trial-and-error is still the method most often used for determining correct exposure. This can run into considerable expense with large photomicrographic cameras, especially with color film.

Short exposures.—The Leica film-plane, being much closer to the microscope ocular than that of a larger camera, has less “bellows draw”; therefore, exposures are much shorter. Shorter exposure lessens the chance of vibration and the movement of living specimens during exposure.

Observe while exposing.—The swing-out prism of the Micro Ibsa and Micro Attachment passes 60% of the light to the negative and 40% through the telescope for viewing. You can view living organisms during actual exposure. If you want all of the light to reach the negative, use the Double Release which swings the prism out of the light path as it trips the shutter.

Homogeneity of equipment.—The Leica with Micro Ibsa connects to the draw-tube of the microscope; its light weight needs no special support. Your set-up occupies less space and is easier to adjust.

Determination of magnification.—The fixed position of the Leica film-plane eliminates measurement of film distance. It simplifies your computation. You just multiply the power of the objective by that of the ocular and divide by the factor of the attachment.

Example: 45X objective—10X ocular—Micro Ibsa
with ½X correction lens:—
(45x10) ÷ 3 = 150 diameters on the negative.

Enlarge three times to a 3 x 4½ inch print and you have the same magnification you saw through the microscope (450 times). Enlarge to an 8 x 10 print and you have a magnification of 1200 times.

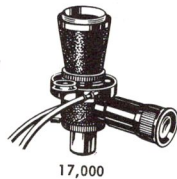
Examine or photograph.—You can leave the Micro Ibsa or Micro Attachment in position on the microscope at all times. For visual examination of the specimen use the viewing telescope; to photograph the specimen simply press the cable release. You need not change focus or alignment of equipment.

MICRO IBSA

The Micro Ibsa replaces the lens on your Leica. The attachment and camera are then connected to the draw-tube of any standard microscope. The Micro Ibsa has its own “X”-synchronized Ibsor 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 40% of the light through the viewing telescope which is focused on cross hairs for your individual eyesight.

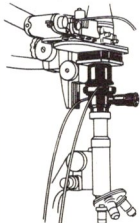
The interchangeable conical tube of the Micro Ibsa has a correction lens with a magnifying factor of ½X or ⅓X. It shortens the microscope’s “infinity” from 250mm to that of the Leica film-plane. If this compensation were not made you would have to refocus the microscope and so sacrifice resolution.

<i>Catalog Number</i>	<i>Code Word</i>	<i>Item</i>	<i>Retail Price</i>
17,000	MIKAS	Micro Ibsa with screw-mounting 1/3X conical correction tube and two cable releases . . .	\$115.00
17,001	MIKAS-M	Micro Ibsa with bayonet-mounting 1/3X conical correction tube and two cable releases	117.00
17,005	MIBAC	Micro Ibsa with screw-mounting 1/2X conical tube and two cable releases	118.00
17,006	MIBAC-M	Micro Ibsa with bayonet-mounting 1/2X conical correction tube and two cable releases	120.00



MICRO ATTACHMENT

The Micro Attachment is for use with the Reprovit II or Focoslide when mounted on a separate support. You can focus the microscope image on the ground-glass screen or through the viewing telescope. It is quite like the Micro Ibsor, but in place of the interchangeable conical tube it uses a cylindrical tube with $\frac{1}{3}X$ correction lens. Connection is made to the draw-tube of the microscope with a light-excluding adapter. No ocular comes with the attachment. If you do not have a compensating eyepiece, the 10X Periplan is recommended.



17,050

Catalog Number	Code Word	Item	Retail Price
17,050	RPNOO	Micro Attachment with $1/3X$ correction lens and two cable releases, but without ocular.	\$120.00
17,051	RPOOT	Micro Attachment with $1/3X$ correction lens. Similar to #17,050 but without viewing telescope or cable releases	21.00
17,053	RSTOO	Micro Attachment with $1/2X$ correction lens and two cable releases, but without ocular	123.00
17,054	RTSOO	Micro Attachment with $1/2X$ correction lens. Similar to #17,053 but without viewing telescope or cable releases	24.00

FOCOSLIDE PHOTOMICROGRAPHY

You can use the Focoslide for taking photomicrographs without the Micro Attachment (focusing on the ground-glass screen) and still have the advantage of "infinity correction." The screw-mounting interchangeable conical tubes screw into former models of the Focoslide and connect to the microscope with the light-excluding rings. A step-down adapter is needed to use the conical tubes on current Focoslides. Information on this adapter is available on request.



17,025

17,025	GIEF	Interchangeable Conical Tube ($1/3X$), screw-mounting, for use on Focoslide or Micro Ibsor	15.00
17,026	GIEF-M	Interchangeable Conical Tube ($1/3X$), with bayonet mount, for Micro Ibsor	17.00
17,030	GIMW	Interchangeable Conical Tube ($1/2X$), screw-mounting, for use on Focoslide or Micro Ibsor.	18.00
17,033	GIMW-M	Interchangeable Conical Tube ($1/2X$), with bayonet mount, for Micro Ibsor	20.00
17,031	GINK	Interchangeable Conical Tube ($1X$), screw-mounting, for use on Focoslide or Micro Ibsor	24.00



17,030

ACCESSORIES FOR PHOTOMICROGRAPHY

17,032	LSZOO	Light-Excluding Rings (set of 2) for light-tight connection between conical tubes and microscope	7.50
17,055	PEZEN	Periplan Gcular (10X) for use with Micro Attachment	19.00
14,070	FINOT	Leica Cable Release (10 inch) with set-screw for locking focal plane shutter in open position	1.20
17,015	GIBR	Cable Release with set-screw for operating prism. Supplied with Micro Ibsor and Micro Attachment.	2.00
17,020	GIFT	Cable Release without set-screw for operating Ibsor shutter. Supplied with Micro Ibsor and Micro Attachment	2.00

ACCESSORIES FOR PHOTOMICROGRAPHY

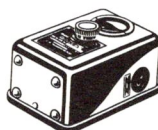
Catalog Number	Code Word	Item	Retail Price
17,010	CALOS	Double Release fitting cable releases of Micro Ibsso and Micro Attachment. Simultaneously operates shutter and swing-out prism	\$ 11.00
17,040	AGIU	Clamping Ring for adjustable draw-tube of 31.8mm inside diameter (Leitz Stand B). Prevents creeping of draw-tube	3.50
17,045	GFEII	Clamping Ring for adjustable draw-tube of 25.4mm inside diameter (Leitz Stand G). Prevents creeping of draw-tube	3.50
17,035	GDIK	Adapter fitting Micro Ibsso to Leitz polarizing microscopes with large diameter draw-tube . .	6.60



17,060

SUPPLEMENTAL EQUIPMENT FOR PHOTOMICROGRAPHY

17,060	BEECH	Monla Microscope Lamp (low voltage) for photomicrography or visual observation. Has concentrated filament bulb, focusing condenser and adjustable stand	40.00
17,075	LIND	Bulb (6 volt, 5 ampere) for Monla lamp . .	3.00
17,065	REDYX	Regulating Transformer (110/220 volts A.C.) with ammeter for Monla Microscope Lamp . .	50.00
17,067	RESOX	Regulating Transformer (110 volts A.C.) with three taps (giving 3 brightness stages to Monla lamp)	32.00
17,070	REDIG-BEEUL	Resistance (110 volt) for Monla Microscope Lamp. Used in place of transformer to reduce 110 volts A.C. or D.C. to 6 volts	22.00
17,085	IFSTA	Lifa Filter Stand for holding Lifa photomicrographic filters between light source and microscope	12.00
17,080	DTEEO	Lifa Green Filter for photomicrography. Fits filter stand #17,085	11.00



17,065



17,085

MAGNIFIERS AND READING GLASSES

Whether your attention focuses on beetles' wings or transistor assemblies, the splinter in your daughter's finger or examination of your Leica negatives—there's a Leitz magnifier to make your work easier. Reading glasses, simple and aplanatic magnifiers in a choice of powers permit you to fill your needs precisely.

You can get the 2-inch hand magnifier and the 3½ and 4-inch reading glasses with either a fixed handle or with or without a removable handle. You can mount the latter two on a pillar stand for gross work.

The simple magnifiers have two lens elements and are well corrected. They are excellent and inexpensive optical aids for school use. Their cylindrical mount permits use with a handle or special dissecting stand.

The aplanatic magnifiers are the finest available. They are very highly corrected to give a flat field free from distortion and color fringes. You have a choice of models in magnifications from 6 to 20 times. You may use them for the most exacting work. They come in a cylindrical mount for use with a handle or special dissecting stand. You can also get them as pocket magnifiers, in protective folding mounts.

<i>Catalog Number</i>	<i>Code Word</i>	HAND MAGNIFIERS <i>Item</i>	<i>Retail Price</i>
18,800	NAHIV	Hand Magnifier (4X), 50mm lens diameter; with fixed polished handle	\$ 12.40
18,805	NEEUG-NEEHX	Hand Magnifier (4X), 50mm lens diameter; with removable handle	12.40
18,810	NEEUG	Hand Magnifier (4X), 50mm lens diameter; without handle	11.60

READING GLASSES

18,815	NAHKY	Reading Glass, 86mm lens diameter; with fixed polished handle	10.00
18,820	NAHKY-NEEHX	Reading Glass, 86mm lens diameter; with removable handle	10.00
18,825	NEEBU	Reading Glass, 86mm lens diameter, without handle	9.20
18,830	NDUEE	Reading Glass, 100mm lens diameter; with fixed polished handle.	10.00
18,835	NDUEE-NEEHX	Reading Glass, 100mm lens diameter; with removable handle	10.00
18,840	NEEDV	Reading Glass, 100mm lens diameter; without handle	9.20
18,845	NAOEE	Reading Glass Stand for mounting 4X magnifier #18,810 or Reading Glasses #18,825 or #18,840. Comprising circular base, upright with adjustable cross arm and universal joint with wing nut.	20.00
18,850	NEEHX	Handle for hand magnifier #18,810 and Reading Glasses #18,825 and #18,840 . . . . .	.80

SIMPLE MAGNIFIERS

18,870	NAGMI	Simple Magnifier (6X), field of view 20mm . .	4.60
18,875	NAGLE	Simple Magnifier (8X), field of view 20mm . .	4.60
18,880	NAGFU	Simple Magnifier (10X), field of view 15mm . .	4.60

APLANATIC MAGNIFIERS

18,900	NAIAS	Aplanatic Magnifier (6X), field of view 30mm.	11.00
18,905	NAIBB	Aplanatic Magnifier (8X), field of view 22mm.	11.00
18,910	NAICZ	Aplanatic Magnifier (10X), field of view 15mm	11.00
18,915	NAIGI	Aplanatic Magnifier (12X), field of view 11mm	11.00
18,920	NAILT	Aplanatic Magnifier (20X), field of view 5mm	14.00
18,925	NAFNU	Handle with clamping collar for simple and aplanatic magnifiers in cylindrical mounts . .	3.40

FOLDING MAGNIFIERS

18,960	NAJBE	Folding Pocket Magnifier (6X aplanatic) in leather case	15.00
18,965	NAJES	Folding Pocket Magnifier (8X aplanatic) in leather case	15.00
18,970	NAJNI	Folding Pocket Magnifier (10X aplanatic) in leather case	15.00
18,975	NAJLO	Folding Pocket Magnifier (12X aplanatic) in leather case	15.00
18,980	NAJOB	Folding Pocket Magnifier (20X aplanatic) in leather case	17.00

RATIOS - AREAS COVERED - DEPTH OF FIELD - EXPOSURE FACTORS
(BASED ON 24 x 36mm LEICA FORMAT)



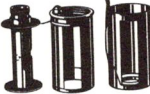





RATIO	ENGLISH SYSTEM						METRIC SYSTEM						EXPOSURE FACTOR
	Area in Inches	Total Depth of Field in Inches					Area in mm	Total Depth of Field in Millimeters					
		f/4	f/5.6	f/8	f/11	f/16		f/4	f/5.6	f/8	f/11	f/16	
1:20	18.9 x 28.4	4.41	6.18	8.85	12.1	17.7	480 x 720	112.0	156.8	224.0	308.0	448.0	1.1 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						

DARKROOM EQUIPMENT

You will enjoy working in your darkroom, for it is here you practice the creative art of photography. From your darkroom come salon prints for exhibits and a priceless store of happy memories captured by your Leica. Your darkroom means economy, too. You can develop and print your own pictures for only the cost of the material. Darkroom work is easy; but, as in taking the picture, your results will depend on the precision of your equipment. Naturally, Leitz darkroom equipment backs up the precision of your Leica in every way.

BULK LOADING

You will find convenience as well as economy when you purchase bulk film and load your own Leica film magazines. If you want to take only a few pictures, load a magazine with a short strip of film. You won't have to wait until you expose three dozen to see the results. Perhaps you may want to take only one picture, such as a black & white test negative. In that case, put a short length of film in the Single Exposure Holder. (You won't even need this accessory to make single exposures with the Leica "M" models.) If you have a full roll of film in your camera and want to remove part of it for development, you will find the Film Cutting Knife useful.

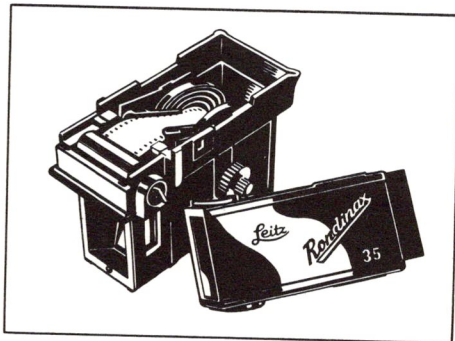
	<i>Catalog Number</i>	<i>Code Word</i>	<i>Item</i>	<i>Retail Price</i>	
14,001	14,001	IXMOO- DRXOO	Film Magazine for all Leicas except "250" exposure model; with screw-cap plastic container	\$ 3.45	
	14,006	IXMOO	Film Magazine 14,001 but without container	3.00	 15,005
	14,010	DRXOO	Plastic Container with screw-cap for Film Magazines . . . . .	.45	
	14,015	SPUCA	Center Spool for Film Magazine . . . . .	.75	
	15,000	ABLON	Film Template for trimming trailer and leader on bulk film	2.40	
14,006	15,005	AGRIF	Hand Film Winder for loading bulk film into magazines . . . . .	.60	 15,015
	15,015	ABCOO	Film Cutting Knife for cutting off exposed portions of film in camera	1.50	
	14,120	FCKOO	Single Exposure Holder for Leica models Ic, IIc, IIIc, IIf and IIIf with serial numbers below 590,681. For later cameras a special base plate without film positioning bar is required	1.50	
	14,125	FHKOO	Single Exposure Holder for Leica models I, Standard, II, III, IIIa and IIIb	1.50	 14,120
14,010					
	15,000				

DEVELOPING TANKS

When you develop films, it is important to keep your solutions at a correct and uniform temperature. Both the "Rondinax" and "Correx" tanks help you to do just that. They are made of strong, shock-resistant plastic which holds an even temperature more readily than metal tanks can. As a further aid to uniform processing, the "Rondinax" features a built-in thermometer. An accessory thermometer is available for "Correx" models.

The "Rondinax" is a daylight-loading tank—you need no darkroom when using it. Since you can load it in full daylight, it is ideal when you travel. You can process as you go, and be sure you have the pictures you want.

The "Correx" tanks must be loaded in a darkroom or changing bag. But once you have loaded them, you can finish the processing in bright light.



Rondinax Developing Tank

"RONDINAX" TANK

Catalog Number	Code Word	Item	Retail Price
15,080	TEOOH	Rodinax Daylight Loading Tank	\$24.00

"CORREX" 35mm AND 120/620 TANKS

15,021	CORUNCJ	"Correx" Tank for 35mm Films, (16 oz.) complete with reel, apron and agitator	6.90
15,026	CORYBCJ	Apron for 35mm "Correx" tank	1.95
15,031	CORIDCJ	Reel for 35mm "Correx" tank	2.10
15,056	CODRORF	"Correx" Tank for #120 or #620 roll films, (16 oz.) apron and agitator	6.60
15,061	CORBARF	Apron for #120-620 roll film "Correx" tank	1.95
15,066	CORSORF	Reel for #120-620 roll film "Correx" tank	1.95



15,050



15,030

SPARE PARTS FOR DISCONTINUED "CORREX" 35mm TANKS

15,030	CORID	Reel for 17 ounce Tank	2.85
15,050	CORCF	Lid for 17 ounce Tank	1.65
15,035	COSTI	Agitator for 17 ounce Tank . . . . .	.60
15,060	CORBA	Apron for 10 ounce Tank	2.70
15,065	CORSO	Reel for 10 ounce Tank	1.35
15,072	COODQ	Agitator for 10 ounce Tank . . . . .	.60
15,075	CORET	Thermometer for 10, 16 or 17 ounce developing tanks	1.50



15,035



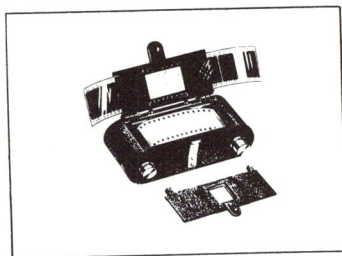
15,075

CONTACT PRINTERS

You will at times want to make contact-size film-strips or copy negatives from your Leica pictures, either as records or for creative darkroom work. And you will enjoy the convenience of the Eldia contact printer for this interesting phase of photography.

ELDIA PRINTER

The ELDIA Contact Printer makes positives of your 24 x 36mm Leica negatives on 35mm film strips. Or you can interchange its hinged masking window with an 18 x 24mm window for single-frame prints. The unexposed film is loaded into a light-tight housing and advanced by turning a knob—a single click for single-frame spacing, two clicks for double-frame. You can print your negatives in any sequence you want, exposing by an external light source.



Eldia Contact Printer

<i>Catalog Number</i>	<i>Code Word</i>	<i>Item</i>	<i>Retail Price</i>
15,085	ELDIA	Contact Printer for 35mm strips	\$21.00
15,090	ELKIN	Interchangeable Window (18 x 24mm) for ELDIA Printer	3.60

ENLARGERS

Your Leica negatives are rich in detail and naturally you want prints which bring all of it out. Your enlarger is a vital link between your negatives and prints. In it, precision and utility are as important as in your camera and lens.

Your enlarger must reproduce the wire-sharpness of your negative, yet minimize grain. It must illuminate the entire print area evenly for both small and big enlargements. It must adjust easily, yet remain rigid. Leitz enlargers do all this—and more—because they are designed especially for miniature camera negatives.

Each enlarger has a 75 watt opal bulb which you may adjust in its matt finish reflector. The curvature of the reflector is matched to a special condenser to combine diffused light which reduces grain with "parallel" light which retains detail. You can get higher wattage bulbs for commercial printing or for enlarging on slow papers.

There are two classes of enlargers: manual focusing and automatic focusing. The Valoy II (manual) and Focomat Ic (autofocal) have threaded lens flanges and you can use your screw-mounting 50mm Leica lens (except the Summarit f/1.5). They come with an interchangeable glassless negative carrier for Leica-size negatives and you can also use carriers for negatives up to 4 x 4cm (approximate 1 $\frac{5}{16}$ " x 1 $\frac{9}{16}$ "). An accessory orange filter lets you compose your print safely right on the sensitized paper.

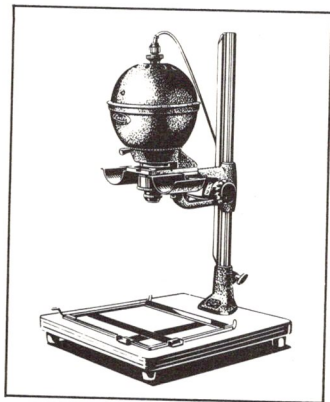
PERSPECTIVE CORRECTOR

You may have noticed that when you photograph a tall building with your camera tilted, parallel edges converge. You've probably also noticed distortions in your interior pictures when the camera was not level, especially if you were using a wide angle lens. These "distortions" are not inherent in your lens, but are the natural result of optical laws and depend on camera angle and variation in distance.

You can change these falsifications and make converging lines parallel by tilting your negative and easel while enlarging. This compensates for your having tipped the camera when taking the picture. The Perspective Corrector will help you. Place the Tilting Negative Carrier Holder in your Valoy II, Focomat Ic or IIC enlarger (it cannot be used with the discontinued Focomat IIA) and your easel on the Tilting Easel Holder. Then adjust one to the other until you get the desired perspective. That's all there is to it.

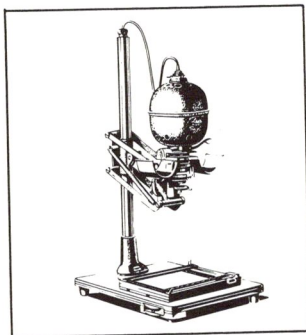
VALOY II ENLARGER

You can use the Valoy II as both enlarger and copying stand! Its baseboard (15 $\frac{1}{2}$ x 17 $\frac{1}{2}$ inches) has a rotating removable upright 32 inches high which has a guide rail to center the carrying arm. The self-locking arm has a finger clamp for rapid positioning on the upright, and a rack-and-pinion for fine adjustment. You can remove the enlarging head from the carrying arm and, with the adapters described in the Close-Up section, attach the Focoslide or Bellows for copying. There is a helical focusing mount for critical focusing and the lamp housing can be tilted for easy removal of the bayonet-mounted condenser.



Valoy II Enlarger

Catalog Number	Code Word	Item	Retail Price
17,501	VUOOW-VOOQF	Valoy II Enlarger and Copying Stand without lens, filter or easel	\$96.00
17,506	FTOOS	Orange Filter for Valoy II	2.40
17,507	NCSOO	Special Condenser for Valoy II enlarger. Treated surface prevents Newton's rings . . .	15.00
17,508	ZPOOK	Table Clamp accepting upright of Valoy II enlarger. Adapts Valoy for enlarging or copying on other than baseboard	12.00
16,706	UWOOS	Valoy II Adapter for mounting Focoslide . . .	4.50



Focomat Ic Enlarger

FOCOMAT Ic ENLARGER

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

17,575	ICOO P	Focomat Ic Enlarger without lens, filter or easel	147.00
17,600	ICWOO	Focomat Ic Enlarger complete with 50mm Focotar f/4.5 lens, Orange Filter and 8 x 10 inch Enlarging Easel	228.00
17,576	ICOO P-COLOR	Focomat Ic Color Enlarger. Same as #17,575 but with extra equipment for color printing consisting of filter holder for color filters and illuminated magnification indicator on baseboard	195.00
17,625	IHOOC	Focomat Ic Enlarger with 22 x 25 inch baseboard and upright 47 inches high, but without lens, filter or easel	163.50
17,626	IHOOC-COLOR	Focomat Ic Color Enlarger. Same as #17,625 but with extra equipment for color printing, consisting of filter holder for color filters and illuminated magnification indicator on baseboard	211.50
17,590	FOOES	Orange Filter for Focomat Ic	7.50
17,591	NESOO	Glass Pressure Plate, with spacer ring, for Focomat Ic enlarger. Treated surface prevent prevents Newton's rings. (Used with condenser marked "N")	6.30
17,593	NHCOO	Condenser Type "N" for Focomat Ia and Ic enlargers. Used with Glass Pressure Plate #17,591 for prevention of Newton's rings. (Not required if enlarger is fitted with condenser marked "N")	10.50

Accessories for Both Valoy II and Focomat Ic



17,581



17,675

Catalog Number	Code Word	Item	Retail Price
17,581	DOOHF	50mm Focotar f/4.5 Enlarging Lens for Valoy II and Focomat Ic. Coated, with click stops. Specifically corrected for enlarging and reproduction work	\$51.00
17,675	DOORX	Extension Ring for converting Focotar lens supplied with Reprovit II to Focotar lens #17,581 (also adapts threaded PAXETTE lens to Leica enlargers except Focomat Ila)	1.50
17,800	DOOBC	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)	3.30
17,801	DMUOO	Adapter, fitting lens units of the Dual-Range and rigid-mount Summicron lenses to Valoy II and Focomat Ic enlargers.	2.10
17,665	NEWOO	Newton's Rings Eliminator with 24 x 36mm aperture. Used on condenser of Focomat Ic and Valoy II enlargers to prevent Newton's Rings	3.00

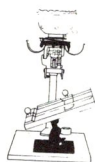
(See P. C 9, item #16,744 for equipment needed to make copying unit from Focomat Ic baseboard and upright.)

Adapters Fitting Lenses of Other Manufacture to the Valoy, Focomat I, Ia and Ic Enlargers.

17,805	OOVBH	Adapting threaded FINETTA lens.	2.40
17,810	OOVCK	Adapting threaded AKARETTE lens	2.40
17,815	OOVKY	Adapting threaded EXAKTA lens	2.40
17,820	OOVHU	Adapting threaded ROBOT lens	2.40
17,822	OOVPI	Adapting bayonet ROBOT-ROYAL lens.	2.40
17,825	OOVIW	Adapting threaded DIAX Ia lens	3.30
17,830	OOVDM	Adapting bayonet CONTAX lens	3.30
17,835	OOVFQ	Adapting bayonet EXAKTA lens	6.60
17,840	OOVGS	Adapting bayonet PROMINENT lens	3.30
17,845	OOVNE	Adapting threaded PRAKTIKA lens	2.40
17,675	DOORX	Adapting threaded PAXETTE lens	1.50
17,676	OOVMC	Adapting threaded LORDOMAT lens	2.40
16,620	VALOO	Diaphragm Adjusting Ring for screw-mounting 50mm Elmar f/3.5 lens. Provides click-stop adjustment of diaphragm when lens is used in enlarger	6.60



16,620



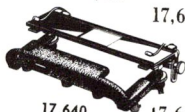
17,655

17,670	RCOOF	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	10.50
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17,670

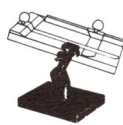
17,655	ZESOO	Perspective Corrector for Valoy II or Focomat Ic. Complete with Tilting Negative Carrier Holder, Hinged Negative Carrier and Tilting Easel Holder	54.00
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17,640

17,640	ZEOOU	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	21.00
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17,645	ZFN00	Hinged Negative Carrier supplied with Perspective Corrector. A glass and metal sandwich with 24 x 36mm (approx. 15/16" x 1-13/32") aperture fitting Tilting Negative Carrier Holder	3.60
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17,650



17,660

Catalog Number	Code Word	Item	Retail Price
17,650	ZFOOT	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	\$29.40
17,660	VBHOO	Bayonet Collar for screw-mounting 50mm Elmar f/3.5 lens. Necessary when using lens in enlarger with Perspective Corrector	3.30
17,661	DNWOO	Bayonet Collar for bayonet-mounting 50mm Elmar f/3.5 lens. Necessary when using lens in enlarger with Perspective Corrector	3.60

Interchangeable Masking Negative Carriers for Valoy II, Focomat Ic and Discontinued Focomat Ia Enlargers



17,526

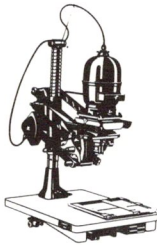


17,550

17,516	VNAOO	Negative Carrier for 18 x 24mm (approx. 11/16" x 15/16") negatives	3.60
17,521	VNIOO	Negative Carrier for 24 x 24mm (approx. 15/16" x 15/16") negatives	3.60
17,526	VNEOO	Negative Carrier for 24 x 36mm (approx. 15/16" x 1-13/32") negatives	3.60
17,531	VNOOU	Negative Carrier for 3 x 4cm (approx. 1-3/16" x 1-9/16") negatives	3.60
17,536	VNUOO	Negative Carrier for 4 x 4cm (approx. 1-9/16" x 1-9/16") negatives	3.60
17,550	VAZEL	Single Negative Holder and Mask used when enlarging single 24 x 36mm (approx. 15/16" x 1-13/32") negative	3.90
17,540	VBOOP	Metal Negative Mask supplied with Single Negative Holder #17,550.	1.20
17,545	VOOMD	Hinged Double Glass Plate (3.5 x 12 cm) (approx. 1-3/8" x 4-11/16") supplied with Single Negative Holder #17,550	2.70
17,541	VASOX	Metal Negative Mask for single 24 x 24mm (approx. 15/16" x 15/16") negatives. Use with Hinged Double Glass Plate #17,545	1.20
17,565	VOONR	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	4.20
17,555	VAZUP	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	1.20
17,560	VAZIS	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	1.20



17,755



FOCOMAT IIc COLOR ENLARGER

The Focomat IIc Color Enlarger may be used for making both black-and-white or color prints. Removable separation filters (not supplied) are accommodated in a light-tight filter drawer in the lamp housing. The trans-illuminated magnification indicator may be read in the darkened room.

Two lenses, especially corrected for enlarging, are mounted in a sliding plate. The 60mm Focotar f/4.5 is used for negatives up to 4 x 4cm and the 95mm Focotar f/4.5 for larger negatives up to 6 x 9cm.

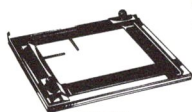
When changing lenses the proper autofocal cam is automatically coupled to the focusing bellows of the enlarger. The autofocal range of the 60mm lens is 2 to 11 diameters and that of the 95mm lens from 1.3 to 6. Enlargements up to 9.3x and 16x respectively may be obtained by manual focusing. Reductions of 1:2.5 with the 60mm lens may be had by manual focus and 1:1 with the 95mm objective. Extension tubes of 44mm and 26mm are used for this purpose.

The 21" x 26" baseboard has a quick clamping lever to lock the easel and is fitted with a light-box to facilitate placing single negatives in the removable negative carrier. The carrier is treated to prevent Newton's rings.

Catalog Number	Code Word	Item	Retail Price
17,870	TUOOS-COLOR	Focomat IIc Color Enlarger complete with 150 watt lamp, 60mm and 95mm Focotar f/4.5 lenses, 21 x 26 inch baseboard, 31-1/2 inch upright, double condenser, illuminated magnification indicator and special holder for color filters	\$639.00
17,862	TWOOQ	Magnification Indicator , internally illuminated	21.00
17,864	TWZOO	Color Filter Holder for color printing. Accepts 12 x 12cm (4-3/4 x 4-3/4 inch) filters	12.00
17,860	TUOOS	Focomat IIc Enlarger . Same as #17,870, but without magnification indicator or color filter holder	606.00
Accessories for the Focomat IIc Enlarger			
16,617	RMOOW	Extension Tube (44mm) for 60mm Focotar f/4.5 lens. Permits reductions down to 1:2.5	2.00
16,615	ROOYH	Repro Extension Tube (26mm). For use with 95mm lens to obtain 1:1 projection	2.70
17,876	NOOIR	Film Holder for 24 x 36mm (approx. 15/16 x 1-13/32 inches) negatives. With single glass pressure plate	33.00
17,875	FYOOR	Orange Filter for Focomat IIc	3.00
17,880	REPOO	Copying Cassette . Replaces film holder during copying.	57.00
17,885	ZOOIR	Perspective Corrector for Focomat IIc. Complete with Tilting Negative Carrier Holder and Tilting Easel Holder	55.00
<i>(For Enlarging Easels, See P. D 11)</i>			
Interchangeable Negative Masking Plates for Focomat IIc Enlarger			
17,887	CXOOH	Negative Masking Plate for 24 x 24mm (approx. 15/16" x 15/16") size.	1.50
17,888	CWOOI	Negative Masking Plate for 24 x 36mm (approx. 15/16" x 1-13/32") size (as replacement)	1.50
17,889	CXSOO	Negative Masking Plate for 3 x 4 cm (approx. 1-3/16" x 1-9/16") size	1.50
17,890	CYOOG	Negative Masking Plate for 4 x 4cm (approx. 1-9/16" x 1-9/16") size	1.50
17,891	CYUOO	Negative Masking Plate for 4.5 x 6cm (approx. 1-13/16" x 2-3/8") size	1.50
17,892	CZOOF	Negative Masking Plate for 4 x 6.5cm (approx. 1-9/16" x 2-9/16") size	1.50
17,893	CZWOO	Negative Masking Plate for 6 x 6cm (approx. 2-3/8" x 2-3/8") size (as replacement)	1.50

ENLARGING EASELS FOR VALOY II, FOCOMAT Ia, Ic, IIa and IIc ENLARGERS

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.

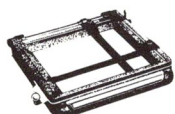


17,585

Catalog Number	Code Word
17,585	FPYOO
17,630	FUOOR

Item	Retail Price
Enlarging Easel 8 x 10 inches	\$22.50

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 54.00



17,635

17,635	EAWOO
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Automatic Electric Enlarging Easel for use with 110 volt A.C. Maximum picture size 5-7/8 x 7-1/8 inches. Margin stops are lever-adjusted from 3/16 to 1/2 inch in 1/16 inch increments, the width being indicated on a calibrated scale. A foot switch supplied with the easel is used for operation; when it is pressed, the top frame of the easel raises and the rear margin stop ejects the exposed paper	120.00
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ENLARGER BULBS

17,760	FLABU	Opal Bulb (75 watt) for all enlargers (Imported)	1.20
17,762	FVLOO	Opal Bulb (150 watt) for all enlargers (Imported)	1.20

Standard domestic bulbs may be used but the imported bulbs give better results.



17,770

17,765	AKTOO	Aktina High Efficiency Opal Lamp (250 watt) for Focomat Ic, IIa, and IIc. The lamp should be used with a voltage reducer	2.40
17,770	UOOPE	Voltage Reducer for Aktina High-Efficiency Lamp. Dims lamps while focusing and burns at full intensity during exposure; complete with volt-meter and switch for 110/220 volts A.C. or D.C.	48.00
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

Accessories for Discontinued Models of the Valoy and Focomat I Enlargers

<i>Catalog Number</i>	<i>Code Word</i>	<i>Item</i>	<i>Retail Price</i>
17,505	FYLTO	Orange Filter for Valoy	\$ 9.90
17,515	VDOON	Negative Carrier for 18 x 24mm (approx. 11/16" x 15/16") negatives	3.90
17,520	VNOOD	Negative Carrier for 24 x 24mm (approx. 15/16" x 15/16") negatives	3.90
17,525	VDMOO	Negative Carrier for 24 x 36mm (approx. 15/16" x 1-13/32") negatives	3.90
17,530	VAVIR	Negative Carrier for 3 x 4cm (approx. 1-3/16" x 1-9/16") negatives	3.90
17,535	VAKES	Negative Carrier for 4 x 4cm (approx. 1-9/16" x 1-9/16") negatives	3.90



17,525

Accessories for Discontinued Focomat Ila Enlarger

17,710	GLOOC	Hinged Double Glass Plate (10 x 22cm) for holding single negatives in Focomat Ila. Areas up to 2-1/2 x 3-1/2 inches can be enlarged from a 5 x 7 inch negative	10.50
17,711	NIOOR	Special Negative Carrier fitting Focomat Ila enlarger for 35mm (24 x 36mm) negatives. Treated surface prevents Newton's rings	42.00
17,713	NCOOX	Upper Glass Plate for negative carrier of Focomat Ila enlarger. Treated surface prevents Newton's rings	10.50
17,685	FYOON	Orange Filter for Focomat Ila	10.50
17,715	CBOOD	Negative Masking Plate for 18 x 24mm (approx. 11/16" x 15/16") negatives	1.50
17,720	CKOOV	Negative Masking Plate for 24 x 24mm (approx. 15/16" x 15/16") negatives	1.50
17,725	CDEEO	Negative Masking Plate for 24 x 36mm (approx. 15/16" x 1-13/32") negatives	1.50
17,730	CDOOB	Negative Masking Plate for 3 x 4cm (approx. 1-3/16" x 1-9/16") negatives	1.50
17,735	CFIOO	Negative Masking Plate for 4 x 4cm (approx. 1-9/16" x 1-9/16") negatives	1.50
17,740	CGLOO	Negative Masking Plate for 4.5 x 6cm (approx. 1-13/16" x 2-3/8") negatives	1.50
17,745	CFOOZ	Negative Masking Plate for 4 x 6.5cm (approx. 1-9/16" x 2-9/16") negatives	1.50
17,750	CGOYY	Negative Masking Plate for 6 x 6cm (approx. 2-3/8" x 2-3/8") negatives	1.50
17,755	CHOOX	Negative Masking Plate for 6 x 9cm (approx. 2-3/8" x 3-1/2") negatives	1.50
17,756	CHNOO	Negative Masking Plate for 6.5 x 9cm (approx. 2-9/16" x 3-1/2") negatives	1.50



17,710



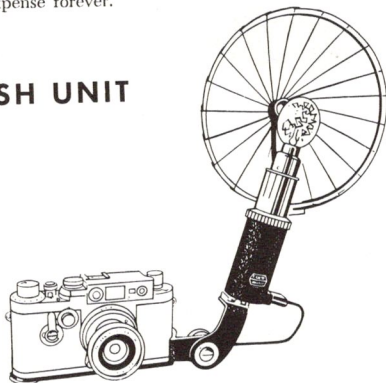
17,725

FLASH EQUIPMENT

You can choose between two basic types of flash equipment for your Leica—conventional and electronic. Each has its advantages. Leica flash units for conventional flash bulbs (the CEYOO and the Chico) are extremely small and light. They are very easy to carry and their cost is modest. Operating power comes from a 22-1/2 volt battery-capacitor. The Braun Hobby Electronic Flash Units although somewhat bulkier and more expensive than the conventional units, have repeating flash tubes good for more than 30,000 flashes. They soon pay for themselves since they end your flashbulb expense forever.

CEYOO FLASH UNIT

This flash unit for conventional bulbs is so popular that we have adapted it for use on other cameras besides the Leica. The various adaptations consist of the basic CEYOO unit with a special connecting cord fitting the specific type of camera listed. (The only exception is flash unit CEYOSR which has no connecting cord; it has a special foot which makes the electrical contact.) The connecting cords furnished with the flash units for the Leica come with a removable female socket for use with electronic flash equipment.



The folding reflector of your CEYOO unit slips off the gun for compact storage and you can easily adjust it in height for centering to different bulbs. Its special matt finish gives even illumination even when you use a wide-angle lens. The bulb holder has a removable bayonet socket with ejector button. A big advantage of the CEYOO is that it takes screw base bulbs as well as bayonet base bulbs for those times when you need high light output. What's more, you get a test lamp with each unit to assist you in checking electrical connections. CEYOO and CHICO flash units come complete with batteries.

EXTENSION FLASH

Frequently you will find it desirable to locate the flash unit at a distance from your camera. All you will need for this purpose is one or more 5 foot extension cords which you put between the unit and the connecting cord at the camera. Extension flash gives you flexibility of light placement for better modeling, bounce light and special effects.

MULTIPLE FLASH

Multiple flash is the firing of two or more bulbs at the same time. It gives you the flexibility of studio lighting equipment and you can fill in shadows, make highlights or use more than one bulb to evenly light a large area. In picking your multiple flash equipment, you can choose between either the parallel or series systems.

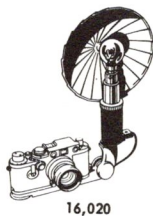
Parallel System

For parallel hook-up, you will need a B-C insert in each CEYOO unit. Units are connected with an extension cord and multiple flash plug. When you work with this system, put a bulb in each unit and allow at least 10 seconds charging time before you connect the units to each other. Otherwise premature firing may result.

Series System

Some photographers prefer a series circuit for multiple flash work. With a series hook-up pre-mature firing is impossible. Also, you can insert bulbs either before or after you connect up the units. You will need one complete flash unit with a B-C insert at the camera and one additional unit (in which you have replaced the B-C insert with a series insert) for each extra lamp. Connect these units with an extension cord and series flash plug.

If you prefer the series system, there is a Multiple Flash Kit for your convenience. It contains a CEYOO flash unit in which a Series Insert replaces the B-C series, a five foot extension cord and a Series Flash Plug.



16,020



16,090



16,091



16,096

CEYOO FLASH UNITS

Catalog Number	Code Word	Item	Retail Price
16,020	CEYOO	Flash Unit with connecting cord fitting "f" and "g" series Leicas.	\$24.00
16,090	CNOOS	Connecting Cord for "f" and "g" series Leicas. Supplied with flash unit #16,020 . . .	3.30
16,025	ZIOOQ	Adapter for mounting flash unit in accessory clip of Leica If.	1.50
16,150	CEYOO-M	Flash Unit with connecting cord fitting "M" model Leica cameras.	24.00
16,091	MOONZ	Connecting Cord for "M" model Leica cameras. Supplied with flash unit #16,150. . .	3.30
16,021	CEYOSR	Flash Unit for Stereo Realist and Graflex-22; without connecting cord, but with special foot	24.00
16,130	CEYOPC	Flash Unit with connecting cord fitting shutters having Continental-type (P-C) outlet	24.00
16,096	COOSX	Connecting Cord for connecting CEYOO flash unit to shutters having Continental-type (P-C) outlet. Supplied with flash unit #16,130.	3.30
16,135	CEYODP	Flash Unit with connecting cord fitting shutters having ASA double-post outlet	24.00
16,140	CEYOBT	Flash Unit with connecting cord fitting shutters having ASA bayonet-type outlet . . .	24.00
16,145	CEYOKE	Flash Unit with connecting cord fitting Kine Exakta and Exa cameras	24.00
16,024	CEYSMF	Multiple Flash Kit for series connection (CEYOO Flash Unit and reflector, Series Insert, Series Flash Plug, 5 foot extension cord)	27.00
16,082	SMFIBH	Series Insert for series flash. Supplied with multiple kit #16,024.	2.05
16,112	SMFPBC	Series Flash Plug for series connection of multiple flash. Supplied with multiple kit #16,024.	4.80

REPLACEMENT PARTS FOR CEYOO FLASH UNITS

Catalog Number	Code Word	Item	Retail Price
16,060	VLOOF	Folding Reflector, matt finish.	\$ 6.00
16,062	CQQWO	Bayonet Bulb Adapter with ejector	5.40
16,065	COOQW	Test Lamp . . . . .	.35
16,080	COOWZ	B-C Insert with 22½ volt battery	4.20
16,070	COOUY	B-C Insert without battery	2.70
16,075	COOVM	Battery; 22½ volt for B-C Insert	1.50
16,100	CUMOO	Female Socket adapting CEYOO connecting cords to other flash units . . . . .	.60

ACCESSORIES FOR CEYOO FLASH UNITS

16,023	LCCEYO	Flash Unit CEYOO without connecting cord. Used for multiple flash.	20.70
16,095	COONS	Connecting Cord adapting "f" and "g" series Leicas for use with flash units having Continental-type (P-C) connector.	3.30
16,190	MICOO	Connecting Cord adapting "M" model Leica cameras to other flash units having a Continental-type (P-C) connector	3.30
16,097	CCDPCE	Connecting Cord for connecting CEYOO flash unit to shutters having ASA double-post outlet. (Supplied with flash unit #16,135)	5.40
16,098	CCBTCE	Connecting Cord for connecting CEYOO flash unit to shutter having ASA bayonet-type outlet. (Supplied with flash unit #16,140)	5.40
16,099	CCKECE	Connecting Cord for connecting CEYOO flash unit to Exakta and Exa cameras. (Supplied with flash unit #16,145).	5.40
16,102	COOMU	Male Plug for connecting CEYOO flash unit to synchronizers of other cameras . . . . .	.90
16,105	COOKT	Extension Cord (5 foot) for extension or multiple flash.	3.30
16,110	CNXOO	Multiple Flash Plug for parallel connection of multiple flash.	3.45
16,125	CTOOM	Angle Bracket for mounting flash unit at side of the Leica	6.60
10,027	CLIPP	Shoe for mounting flash unit on other than Leica cameras	1.20
14,054	IXOOO	Synchro Outlet Cover for "M" model Leica cameras . . . . .	.30



16,095



16,190



16,105



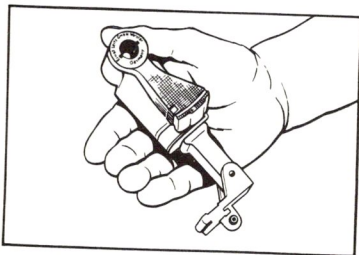
16,110



16,125

CHICO FLASH UNIT

"Chico" is as tiny and attractive as it sounds. But efficient! The small size and high power of bayonet-base flash bulbs coupled with improvements in battery design, give you a huge light output from a vest-pocket flash gun. "Chico" is the last word in compactness and convenience. In a single plastic housing (only 1-1/2" wide and 3-1/2" long!) you get a 22-1/2 volt Battery-Capacitor, a built-in circuit tester with test lamp and a rectifier for multiple flash. The bayonet-base bulb socket with ejector button and the folding fan-type reflector are part of the housing, too!



"Chico" Flash Unit with Adjustable Holder for IIf, IIfF

Its built-in circuit tester is a unique feature of the "Chico" flash. If you push the test button after you have placed a flash bulb in the socket, a test lamp will shine through the housing. This tells you that your battery and flash bulb are in order. You can also test the synchronizing circuit of your camera. With the unit connected to the camera and a bulb in position (but with the reflector folded) operate the shutter. If the circuit is complete and everything is functioning properly, the test lamp will glow. The flash bulb cannot fire unless the reflector is in open position.

You can put "Chico" directly into the accessory shoe of your camera, or you can use it with an adjustable holder which provides angular adjustment of the flash unit.

For Extension Flash

As with the CEYOO flash, all that you need to fire the "Chico" unit at a distance from your camera is one or more extension cords to connect the unit to your camera. The flash unit has a tripod socket in its base so you can mount it on a tripod for extension or multiple lighting.

For Multiple Flash

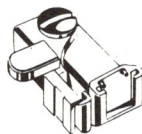
You can fire two or more "Chico" units in multiple by connecting them to each other with the proper cords. Unlike the CEYOO unit, "Chico" has no provision for series flash. You will need each unit complete with a battery. However, a rectifier built into each unit prevents premature firing of the bulb—a major advantage of series wiring.

CHICO FLASH UNITS

Catalog Number	Code Word	Item	Retail Price
16,155	DEOOC-DFHOO	Flash Unit with Adjustable Holder fitting Leica models IIf and IIIf. No connecting cord is required. Cannot be used on Leica Ig or IIIg	\$13.50
16,160	DEOOC-DFOOB-CVOOK	Flash Unit with adjustable Holder and Connecting Cord fitting "M" model Leica Cameras	15.00
16,165	DEOOC-DFOOB-CUOOL	Flash Unit with Adjustable Holder and 17 inch Connecting Cord fitting "f" and "g" series Leicas. Flash may be held off camera for bounce or angle lighting	15.00
16,170	DEOOC-DFOOB-DGKOO	Flash Unit with Adjustable Holder and Connecting Cord fitting shutters having Continental-type (P-C) outlet	13.50

ACCESSORIES FOR CHICO FLASH UNITS

16,175	DEOOC	Flash Unit without Adjustable Holder or Connecting Cord	10.20
16,180	DFHOO	Adjustable Holder for Flash Unit fitting Leica models IIf and IIIf. Connects directly to synchronizing outlet, no connecting cord required. Cannot be used on Leica Ig, IIIg	3.30
16,185	DFOOB	Adjustable Holder for Flash Unit fitting all synchronized models of the Leica and cameras of other makes. (Connecting cord or proper type is required).	1.50
16,196	CUOOL	Connecting Cord, with bayonet lock, connecting Flash Unit to synchronizing outlet of "f" and "g" series Leicas. Supplied with #16,165	3.30
16,191	CVOOK	Connecting Cord, with bayonet lock, connecting Flash Unit to "M" model Leica cameras. Supplied with #16,160	3.30
16,195	DGKOO	Connecting Cord connecting Flash Unit to shutters having Continental-type (P-C) outlet. Supplied with #16,170.	1.80
16,197	DGKOO-SIXFT	Extension Cord (6 foot) for extension or multiple flash	2.70
16,199	TITANI	Multiple Flash Plug (two-way) for parallel connection of multiple flash	1.20
16,200	DHOOA	Battery; 22½ volt for Flash Unit	1.50
16,205	DEMOO	Plastic Box for "Chico" Flash Unit . . . . .	.90
10,027	CLIPP	Shoe for mounting Flash Unit on other than Leica cameras	1.20



16,180



16,196

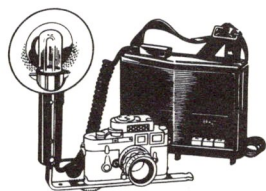


16,191

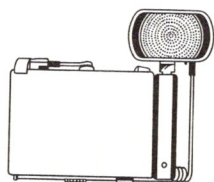


16,195

BRAUN HOBBY ELECTRONIC FLASH UNITS



Automatic EF 3



Special EF 2 and Special EF 2 NC



Standard EF 1

Electronic flash offers the advantages of conventional flash bulbs plus unique characteristics of its own. Its highspeed light source (1/1000th second) will "stop" virtually any action and has a life of many thousands of flashes. And, since Braun Hobby electronic flash units operate from either ordinary A.C. household current or rechargeable storage batteries, you can use them anywhere. Thus, electronic flash eliminates the cost of constant bulb replacement and costs practically nothing to operate.

Each Hobby unit is engineered to meet a special need in flash equipment; each is a product of the well-known electrical firm of Max Braun of Frankfurt, Germany—Europe's largest manufacturer of electronic flash units. A major Braun innovation is the revolutionary "Barix" storage battery—an exclusive "Hobby" feature. This new battery has exceptionally long life, and is practically immune to damage from accidental overcharging or neglect. You can leave it uncharged for up to half a year without harm to the plates! It is perfectly suited to the needs of busy professionals, yet equally valuable for hobbyists who may use it only intermittently.

Another feature of the new Hobby units (except the Standard EF 1) is a two-transistor monitor circuit which automatically checks the condenser charge. During waits between pictures the monitor circuit switches off the vibrator when the condenser reaches full charge. Then, if the charge drops, the monitor circuit switches the vibrator on for a moment—automatically—to restore full power, then switches it off again. The battery charge lasts longer; light output stays consistent. And you concentrate on good pictures, not the on-off switch.

Four Models

The hobby Automatic EF 3 is the most advanced of four models, and is especially suited for professional use. It features push-button control of its various functions, switching instantly from A.C. to storage battery operation, to half-power light output or battery charging via a built-in charger. Its 135 watt-second power will handle virtually any assignment, and an extension flash head is available to provide widely varying lighting effects.

The Special EF 2 is designed especially with advanced amateurs in mind. Its 70 watt-second power is ample for nearly any hobby photography, and many professional assignments as well. Its newly-designed, tiny reflector throws a 60° beam completely free of hot spots in the field of a normal lens and excellent even for wide-angle shots. The Special EF 2 works on either A.C. or the new "Barix" storage battery and has a built-in battery charger. There is ample light output to handle an extension flash head, which is available as an accessory.

The Special EF 2 NC has features virtually identical with those of the Special EF 2, except that its battery is a rechargeable nickel-cadmium unit rather than the Barix. This battery is permanently installed and cannot be removed by the user. The nickel-cadmium, like the Barix battery features long life and minimum maintenance, giving up to 75 flashes on a single battery charge.

The Standard EF 1 offers 50 watt-second power and is an inexpensive unit ideal for the amateur. Like the Special EF 2 and the Automatic, it works on either A.C. or "Barix" battery. Its reflector is identical with that of the Special and mounts on top of the camera in the accessory shoe. It is stored and carried in a shoe on top of the unit's housing. No extension flash head is available for the Standard EF 1.

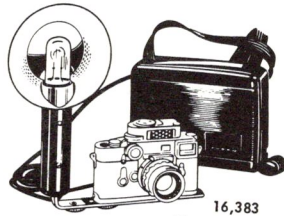
Connecting cords for all three Hobby units are available for all synchronized models of the Leica and many other types of cameras.

BRAUN HOBBY SPECIFICATIONS

		Automatic EF3		Special EF2 and Special EF2NC	Standard EF1
Case Dimensions		9" x 6 $\frac{1}{2}$ " x 3"		6 $\frac{1}{4}$ " x 5 $\frac{1}{4}$ " x 2 $\frac{1}{8}$ "	6 $\frac{1}{4}$ " x 5 $\frac{1}{4}$ " x 2 $\frac{1}{8}$ "
Total weight (with battery)		6 lbs. 7 oz.		Special EF2 4 lbs. 4 lbs. 3 oz.	3 lbs. 9 oz.
Flash duration		1/1000 sec.		1/1000 sec.	1/1000 sec.
Color temperature		5600°K. (matches daylight color film balance)		5600°K. (matches daylight color film balance)	5600°K. (matches daylight color film balance)
Watt seconds		Full-power position 135	Half-power position 60	70	50
Reflector Coverage		Adjustable Choice of 50° or 70°		60°	60°
Guide Number	Daylight Kodachrome	55*	open lens 1 $\frac{1}{2}$ stops	44	36
	Daylight Anscochrome or Ektachrome	90*	open lens 1 $\frac{1}{2}$ stops	70	60
	Daylight Super Anscochrome	160*	open lens 1 $\frac{1}{2}$ stops	120	105
	ASA 100 B & W	300*	open lens 1 $\frac{1}{2}$ stops	230	180
Flashes per Charge	A.C.	Unlimited	Unlimited	Unlimited	Unlimited
	Barix battery	80	180	75	120
	Nickel- cadmium battery	-	-	75	-
Recycle Time	110 volts A.C.	8-9 sec.	2-3 sec.	5-7 sec.	5-7 sec.
	Battery	9 sec.	3-4 sec.	6-7 sec.	5-6 sec.
Extension flash head available		Yes		Yes	No
Battery charger		Built in		Built in	Built in

* Guide number for two-position reflector on "Automatic" set for 50° beam. Open lens $\frac{1}{2}$ stop for reflector in 70° beam position.

BRAUN HOBBY AUTOMATIC EF3 ELECTRONIC FLASH UNIT



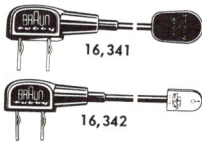
16,383
(Camera Cord Extra)

Catalog Number	Code Word	Item	Retail Price
16,383		Automatic EF 3 Storage Battery—A.C. Unit Complete with "Barix" rechargeable battery, built-in vibrator and charger, A.C. line cord, and camera bracket, but without camera connecting cord	\$109.50

Accessories for the Automatic EF 3 and Former Models of the Automatic

16,416		Multiple Flash Head, 16-foot cord. (For Automatic EF 3, Automatic A. A., Special A.M. or A.N.C.)	30.00
16,400	PCFCEA	Exakta Adapter. Adapts P-C cords for use on Exakta and Exa cameras. (May be used with P-C cords of CEYOO and CHICO flash units.)	2.50
16,420	ABHPWB	Plastic Squeeze Bottle with narrow spout and cap. For adding distilled water to storage battery . . . . .	.50
16,341	CTKOO	Connecting Cord (50cm long) for "M" model Leica cameras	5.00
16,361		Connecting Cord (6 feet long) for "M" model Leica cameras	6.80
16,342	Csoon	Connecting Cord (50cm long) for "f" or "g" series Leicas.	5.00
16,362		Connecting Cord (6 feet long) for "f" or "g" series Leicas.	6.80
16,343	BRCCEA	Connecting Cord (40cm long) for Continental-type (P-C) outlet	2.75
16,344	BRCRA	Connecting Cord (80cm long) for Rolleiflex and Rolleicord cameras	3.75
16,447		Flash Head Bracket for mounting flash head of Braun Hobby Automatic EF 3, Automatic A.A., Special A.M. or A.N.C. or former Standard on Leica accessory shoe or flash angle brackets #16,125, #16,185 or #16,180. Also fits most other camera accessory shoes	2.00

NOTE: Domestic cords can be used with ASA synchronizer outlets.



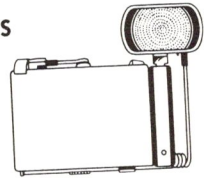
Replacement Parts for the Automatic EF 3 and Former Models of the Automatic

Catalog Number	Code Word	Item	Retail Price
16,373		"Barix" Storage Battery for Automatic EF 3 and former models of the Automatic and Standard	\$12.00
16,437		Vibrator, with muffler, for Automatic A.A. . .	9.00
16,436	RBHSBV	Vibrator, with muffler for previous Automatic models	9.00
16,410	LCBHAU	Line Cord (13-foot)	2.25

(FOR FUSES, SEE P. F 11)

BRAUN HOBBY SPECIAL EF 2 AND EF 2 NC ELECTRONIC FLASH UNITS

16,381		Special EF 2 Storage Battery—A.C. Unit. Complete with "Barix" rechargeable battery, built-in vibrator and charger, A.C. line cord, camera bracket and detachable flash head handle, but without camera connecting cord	79.50
16,382		Special EF 2 NC Storage Battery—A.C. Unit. Complete with nickel-cadmium rechargeable battery, built-in vibrator and charger, A.C. line cord, camera bracket and detachable flash head handle, but without camera connecting cord.	109.50



16,381

Accessories for Special EF 2, Special EF 2 NC, and Former Models Special A.M. and Special A.N.C.

16,416		Multiple Flash Head (For former models Special A.M., Special A.N.C. or Automatic A.A.)	30.00
16,414		Multiple Flash Head for Special EF 2 and Special EF 2 NC.	30.00
16,400	PCFCEA	Exakta Adapter. Adapts P-C cords for use on Exakta and Exa cameras. (May be used with P-C cords of CEYOO and CHICO flash units.)	2.50
16,420	ABHPWB	Plastic Squeeze Bottle with narrow spout and cap. For adding distilled water to storage battery . . . . .	.50
16,341	CTKOO	Connecting Cord (50cm long) for "M" model Leica cameras	5.00
16,361		Connecting Cord (6 feet long) for "M" model Leica cameras	6.80
16,342	CSOON	Connecting Cord (50cm long) for "f" and "g" series Leicas.	5.00
16,362		Connecting Cord (6 feet long) for "f" and "g" series Leicas	6.80
16,343	BRCPPA	Connecting Cord (40cm long) for Continental-type (P-C) outlet	2.75
16,344	BRCRA	Connecting Cord (80cm long) for Rolleiflex and Rolleicord cameras	3.75
16,447		Flash Head Bracket for mounting flash head of Braun Hobby Automatic EF 3, Automatic A.A., Special A.M. or A.N.C. or Standard on Leica accessory shoe or flash angle brackets #16,125, #16,185 or #16,180. Also fits most other camera accessory shoes	2.00

NOTE: Domestic cords can be used with ASA synchronizer outlets.

**Replacement Parts for Special EF 2, Special EF 2 NC,
Special A.M. and Special A.N.C.**

Catalog Number	Code Word	Item	Retail Price
16,371		"Barix" Storage Battery for Standard EF 1, Special EF 2, and former models of the Special	\$10.50
16,449		Vibrator, with muffler	9.00
16,410	LCBHAU	Line Cord, black, (13-foot).	2.25
16,411		Line Cord, gray, (13-foot)	2.25

(FOR FUSES, SEE P. F 11)



16,380

**BRAUN HOBBY STANDARD EF 1
ELECTRONIC FLASH UNITS**

16,380		Standard EF 1 Storage Battery—A.C. Unit. Complete with "Barix" rechargeable battery, built-in vibrator and charger, A.C. line cord but without connecting cord.	59.50
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*IMPORTANT! SEE CONFIDENTIAL DEALER INFORMATION, PAGE H 3
FOR ORDERING INSTRUCTIONS.*

Accessories for Standard EF 1 and Standard

16,371		"Barix" Storage Battery for Standard EF 1, Special EF 2, and former models of the Special	10.50
16,373		"Barix" Storage Battery for former models of the Standard and Automatic and current Automatic EF 3	12.00
16,438	ABHIBC	Battery Charger. Interchangeable with vi- brator. WARNING: for former models of the Standard with pebbled reflectors and with serial numbers below 271,626 only	2.25
16,439		Battery Charger. Interchangeable with vi- brator. WARNING: for former models of the Standard with mirror-center reflector and with serial numbers 271,626 or higher only (cannot be used in Standard EF 1)	2.25
<i>NOTE: Both storage battery and appropriate charger are needed for wet cell operation of former Standard models.</i>			
16,400	PCFCEA	Exakta Adapter. Adapts P-C cords for use on Exakta and Exa cameras. (May be used with P-C cords of CEYOO and CHICO flash units.)	2.50
16,341	CTKOO	Connecting Cord (50cm long) for "M" model Leica cameras	5.00
16,361		Connecting Cord (6 feet long) for "M" model Leica cameras	6.80
16,342	CSOON	Connecting Cord (50cm long) for "f" and "g" series Leicas.	5.00
16,362		Connecting Cord (6 feet long) for "f" and "g" series Leicas	6.80
16,343	BRCCPA	Connecting Cord (40cm long) for Continental- type (P-C) outlet	2.75
16,344	BRCCRA	Connecting Cord (80cm long) for Rolleiflex and Rolleicord cameras	3.75

Catalog Number	Code Word	Item	Retail Price
16,447		Flash Head Bracket for mounting flash head of Braun Hobby Automatic EF 3, Automatic A.A., Special A.M. or A.N.C. or Standard on Leica accessory shoe or flash angle brackets #16,125, #16,185 or #16,180. Also fits most other camera accessory shoes.	\$ 2.00

NOTE: Domestic cords can be used with ASA synchronizer outlets.

Replacement Parts for the Standard

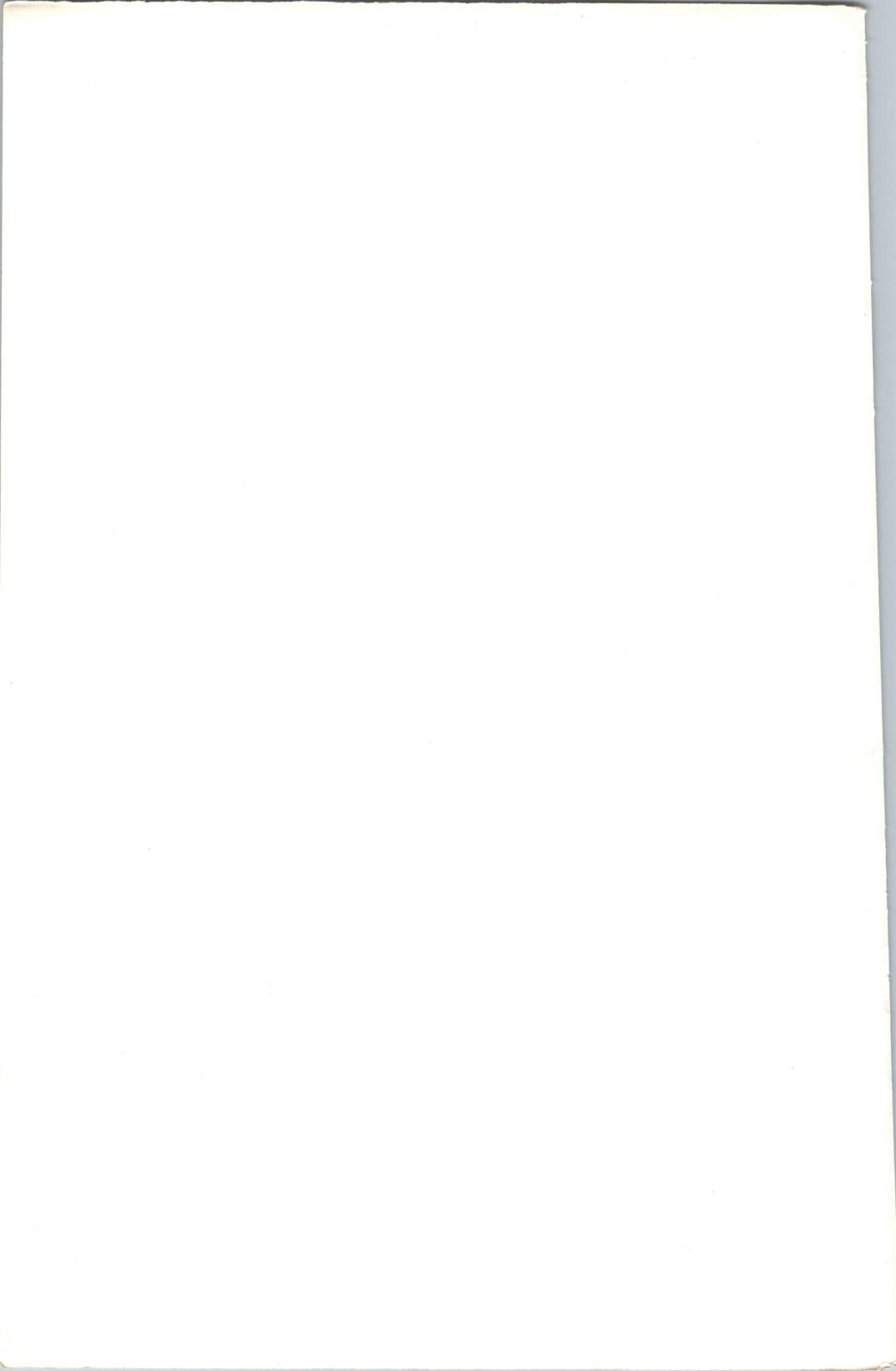
16,408	LCBHSR	Line Cord (4½ foot). Necessary for A.C. operation and when recharging storage battery in unit (as replacement)	1.80
16,436	RBHSBV	Vibrator, with muffler. For former models with pebbled reflectors and serial numbers below 271,626 only.	9.00
16,449		Vibrator, with muffler. For former models with mirror-center reflectors and serial number 271,626 or higher only (cannot be used in Standard EF 1).	9.00

(FOR FUSES, SEE BELOW)

Fuses For Braun Hobby Units

16,423		Fuse, 400ma, for Automatic EF 3 and models of the Automatic with serial numbers above 400,000. . . . .	.15
16,424		Fuse, 180ma, for Special EF 2, Special EF 2NC, Standard EF 1 and previous models of the Special . . . . .	.15
16,422		Fuse, 300ma, for previous models of the Automatic with serial numbers below 400,000, and the Braun Hobby "100" . . . . .	.15







New and genuine Leica equipment is sold only through franchised Leica dealers, who are distinguished by the display of the Leica dealer emblem.



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