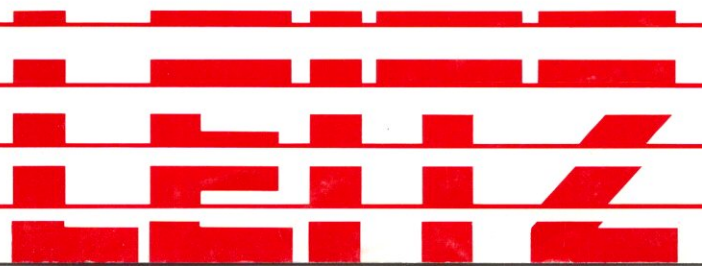




LEITZ® AUTHORIZED DEALER CATALOG



# LEICA R CAMERAS

PAGE 1

## LEICA R4



Compact, single-lens, electronically controlled 35 mm SLR with alternative through-the-lens metering methods: LEITZ spot metering or LEITZ averaging metering.

Combined with multiple automatic programs: aperture preferred for automatic shutter speed control with aperture preselection, shutter preferred for automatic aperture control with shutter speed preselection, automatic program mode (both shutter and aperture automatically controlled), and dedicated flash synchronization.

Interchangeable focusing screens. Attachable data back. Rapid motor winder alternatively with attachable MOTOR-WINDER R4 or MOTOR-DRIVE R4.

### Programs:

There are 5 metering modes:

- 1) Aperture preferred with LEITZ spot metering.
- 2) Aperture preferred with LEITZ averaging metering.
- 3) Program mode with LEITZ averaging metering.
- 4) Shutter-preferred with LEITZ averaging metering.
- 5) Manual setting of shutter speed and aperture with LEITZ spot metering.

In addition: Automatic flash control

### LEICA R4, black chromium finish

Complete with camera cap, carrying strap ..... 10043

### LEICA R4, silver chromium finish

Complete with camera cap, carrying strap ..... 10041

## LEICA R4S



Compact, single-lens, electronically controlled 35 mm SLR with alternative through-the-lens metering methods: LEITZ spot metering or LEITZ averaging metering. It offers a choice of exposure modes, interchangeable focusing screens, attachable data back. Will accept a motor winder or a motor drive.

### Programs:

There are three exposure modes available:

- 1) Aperture preferred with spot metering.
- 2) Aperture preferred with averaging metering.
- 3) Manual setting of shutter speed and aperture with spot metering.

### LEICA R4S, black chromium finish

Complete with body cap, and carrying strap ..... 10045

## MOTOR WINDER R4



Compact motor winder for film transport and shutter wind, for the LEICA R4 only.

Patented, quietly running uncoiling drive with load-dependent force lock.

Single-frame and continuous release. Frame frequency up to 2 fps.

Practical handgrip button for continuous release as accessory.

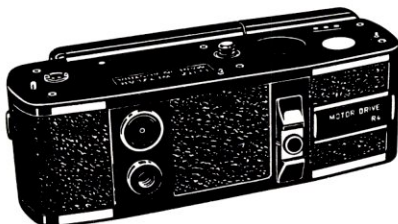
Socket for the Remote Control LEICA R electronic control unit and other electric releases (see Accessory).

Battery pack for 6 rechargeable or ordinary AA batteries for very convenient and quick interchange.

### MOTOR WINDER R4

with cover ..... 14282

## MOTOR DRIVE R4



Compact, handy Motor Drive for film transport and shutter wind, for the LEICA R4 only.

Special LEITZ gear design ensures quiet running.

Series releases of 4fps, 2fps, and single-frame release as required.

Practical handgrip with release button as accessory.

Socket for the Remote Control LEICA R electronic unit and other electric releases (see Accessory Range).

Very convenient and quick interchangeable battery pack, for 10 ordinary or NiCd AA rechargeable batteries.

### MOTOR DRIVE R4

with cover ..... 14309

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# Accessories for the MOTOR WINDER R4-MOTOR DRIVE R4

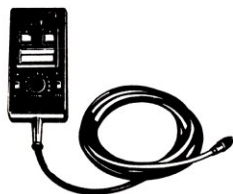
## Handgrip R4 for hand-held exposures



Sturdy, practical design with ridged button for continuous releases, adjustable leather loop, screw with coin slot for attaching the handgrip to the Motor Winder R4 or Motor Drive R4.

**Handgrip R4** ..... 14283

## Remote Control LEICA R electronic control unit (RC LEICA R)



Electronic control unit for remote release.  
Built-in timer for time-lapse photography.  
7 integrated circuits in C-MOS-technology.  
Digital display of the completed exposure through feedback of the camera.  
Connects to Motor Winders R3, R4 and Motor Drive R4.

**Remote Control LEICA R (RC LEICA R)** ..... 14277

## Tripod holder R4



for the use of the LEICA R4 in combination with long-focal-length lenses on a tripod or with the universal handgrip. Sturdy design with two knurled screws, fits into the tripod threads of the MOTOR WINDER R4 or the MOTOR DRIVE R4.

Holder with 1/4 in. thread for photographic tripods.

**Tripod Holder R4** ..... 14284

## Electric release switch R4



for universal handgrip with 0.3 m cable and screw plug:

Practical accessory for photography with long-focal-length lenses such as the 250 mm f/4, 350 mm f/4.8, 400 mm f/6.8, 560 mm f/6.8, 280 mm f/2.8.

When inserted in the pistol grip the push button can be directly connected with the screw plug via the 0.3 m cable to the MOTOR WINDER R4 or the MOTOR DRIVE R4.

**Electric release switch R4 0.3 m** ..... 14237

## Electric cable release

for remote release with 5 m (16 ft.) cable and screw plug. In conjunction with extension cables of 25 m length (14274) for electric remote release up to 100 m distance.

**Electric cable release 5 m** ..... 14272

## 25 m (80 ft.) extension cable

(as extension between 14272, 14277, and Motor Winder or Motor Drive R4)

**Extension cable 25 m** ..... 14274

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## Adapter for external supply MW-R



for connection to external current sources; with 1 m appliance cable and screw plug.

(The adapter for the external supply MW-R is inserted in the Winder in the place of the battery housing.)

Usable on Motor Winder R4 and R3.

### Possibilities of connection:

Battery housing (with holder 14279) if at low temperatures the batteries have to be kept at body heat and have therefore to be carried externally.

<b>Adapter for external supply MW-R</b> .....	<b>14278</b>
Extension cable 5 m MW-R for external supply .....	<b>14293</b>

## Holder for the battery housing MW-R



with sockets marked "+" and "-" for the battery poles.

Usable on Motor Winder R4 and R3.

External current supply of the Motor Winder R4 by means of the adapter for external supply MW-R, Code No. 14278. Built-in screw socket.

<b>Holder for the battery housing MW-R</b> .....	<b>14279</b>
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## Battery Pack for rechargeable and ordinary batteries MW-R



for the MOTOR-WINDER R4, and Motor Winder R3, replacement.

For heavy-duty work (prolonged operation, low temperatures, expeditions) a second housing with fresh or recharged batteries offers additional reliability. Can be changed within seconds with a single action.

<b>Housing for rechargeable or ordinary batteries</b> .....	<b>14280</b>
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## Adapter for external supply MD-R



For connection to external current sources; with 1 m appliance cable and screw plug.

(The adapter for the external supply MD-R is inserted in the drive in the place of the battery housing.)

### Possibilities of connection:

Battery housing (with holder 14279) if at low temperatures the batteries have to be kept at body heat and must therefore be carried externally.

<b>Adapter for external supply MD-R</b> .....	<b>14323</b>
Extension cable 5 m MD-R for external supply .....	<b>14325</b>

## Housing for ordinary or rechargeable AA batteries MD-R

for the MOTOR DRIVE R4 as replacement



For heavy-duty work (prolonged operation, low temperatures, expeditions) a second housing with fresh or recharged batteries offers additional reliability. Can be exchanged with a single action within seconds. The housing has sockets for the following connection.

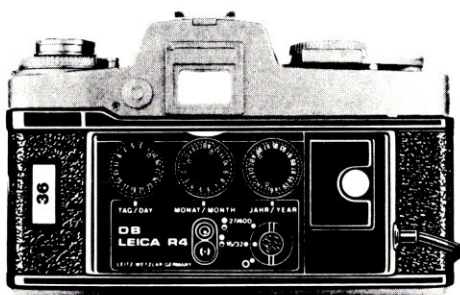
For the 10 battery external current supply of the MOTOR DRIVE R4.

<b>Housing for ordinary or rechargeable batteries MD-R</b> .....	<b>14322</b>
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# Accessories

## Data Back DB LEICA R4



Camera back with device for exposing data onto film.

The DB LEICA R4 data back can be exchanged with the LEICA R4 camera back.

Fading-in of day, month, year (date) or figures or letters (code) through flash diode in the bottom-right-hand corner of the picture together with the exposure.

Day selector: numbers from 1 to 31 and one empty field.

Month selector: numbers from 1 to 12, letters from A to G and 2 empty fields.

Year selector: numbers from 80 to 99, letters from A to K and 2 empty fields.

Dimensions of the data field on the film about 0.7 x 4.5 mm.

On/off switch, also selector for the adjustment to films of different speed.

Cable connection to the flash contact of the camera.

Current supply by two silver oxide 1.5v button cells (S76 type) sufficient for more than 100 films.

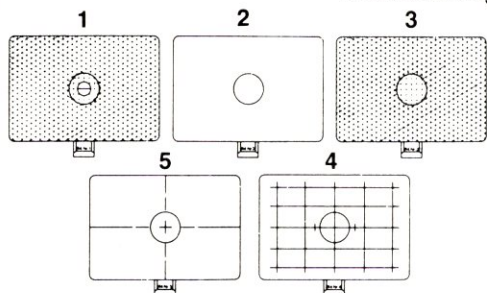
Battery test button.

Film cartridge viewing window.

Dimensions: about 137 x 54 x 30 mm.

**Data Back DB LEICA R4** ..... 14297

## Interchangeable focusing screens



**Universal screen with split image** (replacement) (1)

in case with dust brush and forceps for interchange ..... 14303

**Plain groundglass screen** (2)

in case with dust brush and forceps for interchange ..... 14304

**Microprism screen** (3)

in case with dust brush and forceps for interchange ..... 14305

**Groundglass screen with grid division** (4)

in case with dust brush and forceps for interchange ..... 14306

**Clearglass screen with crosslines** (5)

in case with dust brush and forceps for interchange ..... 14307

## Correction lenses, supplied with retaining clip, which slides over the eyepiece.



+0.5 ..... 14240

+1.0 ..... 14241

+1.5 ..... 14242

+2.0 ..... 14243

+3.0 ..... 14244

-0.5 ..... 14245

-1.0 ..... 14246

-1.5 ..... 14247

-2.0 ..... 14248

-3.0 ..... 14249

Will fit R4, R4S, R3, R3 MOT

## Eyecup



Eyecup

can also be used in combination with the correction lenses in place of the above retaining clip ..... 14257

Usable on R4, R4S, R3 MOT, R3, SL2.

## Angle finder



for viewing from above, but also for unnoticed photography "round the corner" or above people's heads.

For the LEICA R4/LEICAFLEX SL/SL2, R4/R4S

**90° angle finder**, right-way-round, upright image, focusing eyepiece ..... 14326

For the LEICA R3/R3 MOT

**90° angle finder**, right-way-round, upright image, focusing eyepiece ..... 14288

## Adapter



**Adapter** for the use of VISOFLEX 2/3 lenses of the LEICA M range on the LEICAFLEX SL/SL2, LEICA R (at working aperture) ..... 14167

**Twin flash socket cover** (replacement) ..... 14183

Flash socket cover for **LEICA R4**, ..... 14314

Replacement caps:

Rear cover (= rear cover for lens) ..... 14162

Front cap (= camera body cover) ..... 14103

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## 15 mm SUPER-ELMAR-R f/3.5

High-speed lens of extremely large angle of view



Angle of view: 110°  
Number of elements: 13 (12 components)  
Correction of optical aberrations  
by means of floating elements  
Built-in turret with 4 filters:  
UV., yellow, orange, blue (conversion filter)  
Fully-automatic preset diaphragm  
with click-stops (including 1/2 values)  
Smallest aperture: f/22  
Combined feet-metre scale  
Focusing range: ∞ to 0.16 m (6.3 in)

Smallest object field: 70 x 16 mm  
Rubberized focusing ring  
Non-rotating focusing mount  
Hard-chrome LEICA R rapid bayonet  
Black finish  
Built-on lens hood  
Lens cap Ø: A 83.5 mm  
Length from bayonet flange: 92.5 mm  
Maximum diameter: 83.5 mm  
Weight: 0.815 kg

### 15 mm SUPER-ELMAR-R f/3.5

with lens hood, lens cap and rear cover ..... 11213

## 16 mm FISHEYE-ELMARIT-R f/2.8

Fisheye lens for special pictorial effects  
(only for the LEICA R models and LEICAFLEX SL 2/SL 2 MOT)



Angle of view: 180°  
Number of elements: 11 (8 components)  
Built-in turret with 4 filters:  
UV., yellow, orange, blue 80B (conversion)  
Fully automatic preset diaphragm with  
click-stops (including 1/2 values)  
Smallest aperture: f/16  
Combined "feet-metre" scale  
Focusing range: ∞ to 0.3 m (12 in)

Smallest object field: 401 x 601 mm  
Non-rotating focusing mount  
Hard-chrome LEICA-R rapid bayonet  
Black finish  
Built-on lens hood  
Lens cap dia. A 65 mm  
Length from bayonet flange: 60 mm  
Diameter: 71 mm  
Weight: 0.470 kg

### 16 mm FISHEYE-ELMARIT-R f/2.8

with built-on lens hood, lens cap and rear cover ..... 11222

## 19 mm ELMARIT-R f/2.8

Fast ultra-wide-angle lens



Angle of view: 97.5°  
Number of elements: 9 (7 components)  
Internal thread: M 82 x 0.75  
Fully automatic pre-set diaphragm  
with click-stops (including 1/2 values)  
Smallest aperture: f/16  
Combined "feet-metre" scale  
Focusing range: ∞ to 0.3 m (12 in)  
Smallest object field:  
261 x 392 mm | 10.3 x 15.4 in (about 1:10)

Non-rotating focusing mount  
Hard-chrome LEICA-R rapid bayonet  
Black finish  
Lockable lens hood  
Lens cap dia. A 88 mm  
Length from bayonet flange: 60 mm  
Diameter: 88 mm  
Weight: 0.500 kg

### 19 mm ELMARIT-R f/2.8

with lens hood, lens cap and rear cover ..... 11225

## 21 mm SUPER-ANGULON<sup>®</sup>-R f/4

Wide-angle lens of extremely wide angle of view



Angle of view: 92°  
Number of elements: 10 (8 components)  
Filter size: 8.5  
Internal thread: M 75 x 0.75  
Fully automatic pre-set diaphragm  
with click-stops (including 1/2 values)  
Smallest aperture: f/22  
Combined "feet-metre" scale  
Focusing range: ∞ to 0.2 m (8 in)  
Smallest object field:  
148 x 221 mm (6 x 8.75 in approx)

Non-rotating focusing mount  
Hard-chrome LEICA-R rapid bayonet  
Black finish  
Lens hood lockable, also adapter  
For Series 8.5 filters  
Lens cap dia. A 75 mm  
Length from bayonet flange: 43.5 mm  
Diameter: 78 mm  
Weight: 0.410 kg

### 21 mm SUPER-ANGULON f/4

with lens hood, lens cap and rear cover ..... 11813



## LEICA-R-lenses

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**24 mm ELMARIT-R f/2.8**

Lens of very wide angle of view  
(only for the LEICA R models and for LEICAFLEX SL 2/SL 2 MOT)



Angle of view: 84°  
Number of elements: 9 (7 components)  
Correction of aberrations  
through floating elements  
Filter size: 8  
Internal thread: M 60 x 0.75  
Fully-automatic pre-set diaphragm  
with click-stops (including 1/2 values)  
Smallest aperture: f/22  
Combined "feet-metre" scale  
Focusing range: ∞ to 0.3 m (12 in)

Non-rotating focusing mount  
Smallest object field:  
250 x 374 mm | 10 x 15 in (about 1:10.5)|  
Non-rotating focusing mount  
Hard-chrome LEICA-R rapid bayonet  
Black finish  
Lens hood lockable,  
also adapter for Series 8 filters  
Lens cap: 14290  
Length from bayonet flange: 46 mm  
Diameter: 67 mm  
Weight: 0.429 kg

**24 mm ELMARIT-R f/2.8**

with lens hood, lens cap and rear cover ..... 11221

**28 mm ELMARIT®-R f/2.8**

Wide-angle lens



Angle of view: 76°  
Number of elements: 8 (8 components)  
Filter size: 7  
Internal thread: M 48 x 0.75  
Fully automatic preset diaphragm  
with click-stops (including 1/2 values)  
Smallest aperture: f/22  
Combined "feet-metre" scale  
Focusing range: ∞ to 0.3 m (12 in)

Smallest object field:  
188 x 282 mm | 7.5 x 11.3 in (about 1:8)|  
Non-rotating focusing mount  
Hard-chrome LEICA-R rapid bayonet  
Black finish  
Locking lens hood,  
also adapter for Series 7 filters  
Lens cap dia. A 51 mm  
Length from bayonet flange: 40 mm  
Diameter: 63 mm  
Weight: 0.275 kg

**28 mm ELMARIT-R f/2.8**

with lens hood, lens cap and rear cover ..... 11204

**35 mm SUMMILUX-R f/1.4**

Very fast wide angle lens



Angle of view: 64°  
Number of elements: 10 (9 components)  
Internal thread: M 67 x 0.75  
Fully automatic preset diaphragm  
with click-stops (including 1/2 values)  
Smallest aperture: f/16  
Combined "feet-metre" scale  
Focusing range: ∞ to 0.5 m (20 in)

Smallest object field: 266 x 399 mm  
Non-rotating focusing mount  
Hard-chrome LEICA-R rapid bayonet  
Black finish  
Built-on, extendible lens hood  
Lens cap diameter A 75 mm  
Length from bayonet flange: 76 mm  
Diameter: 75 mm  
Weight: 0.660 kg (23.3 oz)

**35 mm SUMMILUX-R f/1.4**

with lens hood, lens cap and rear cover ..... 11143

**35 mm PA-CURTAGON-R f/4**

Wide-angle lens without pre-set diaphragm with perspective compensation



Displacement from the optical axis:  
7 mm to the left and right, top and bottom  
Radial adjustment: at 90° click-stop intervals  
Angle of view: 63-78°  
Number of elements: 7 (6 components)  
Filter size: 8  
Internal thread: M 60 x 0.75  
Click-stops  
Smallest aperture: f/22  
Combined "feet-metre" scale  
Focusing range: ∞ to 0.3 m (12 in)

Smallest object field:  
140 x 210 mm | 5.5 x 8.3 in (about 1:6)|  
Non-rotating focusing mount  
Hard-chrome LEICA-R rapid bayonet  
Black finish, with bright decorative ring  
Lockable lens hood,  
also adapter for Series 8 filters  
Lens cap: 14290  
Length from bayonet flange: 51 mm  
Diameter: 70 mm  
Weight: 0.29 kg

**35 mm PA-CURTAGON-R f/4**

with lens hood, lens cap and rear cover ..... 11202

## 35 mm ELMARIT-R f/2.8

Wide-angle lens



Angle of view: 64°  
Number of elements: 7 (6 components)  
Filter size: E 55 or Series 7  
For Series 7 filters the adapter 14225 is required  
Internal thread: M55 x 0.75  
Fully automatic pre-set diaphragm with click-stops (including 1/2 values)  
Smallest aperture: f/22  
Combined "feet-metre" scale

Focusing range: ∞ to 0.3 m (12 in)  
Smallest object field: 140 x 210 mm (5 3/4 x 8 in (about 1:6))  
Non-rotating focusing mount  
Hard-chrome LEICA-R rapid bayonet  
Black finish  
Built-on, extensible lens hood  
Lens cap: 14289  
Length from bayonet flange: 41.5 mm  
Diameter: 66 mm  
Weight: 0.34 kg

### 35 mm ELMARIT-R f/2.8

with lens hood, lens cap and rear cover ..... 11231

## 35 mm SUMMICRON®-R f/2

Fast wide-angle view



Angle of view: 64°  
Number of elements: 6 (6 components)  
Filter size: E 55 or Series 7  
For Series 7 filters the adapter 14225 is required  
Internal thread: M 55 x 0.75  
Fully automatic pre-set diaphragm with click-stops (including 1/2 values)  
Smallest aperture: f/16  
Combined "feet-metre" scale

Focusing range: ∞ to 0.3 m (12 in)  
Smallest object field: 140 x 210 mm  
Non-rotating focusing mount  
Hard-chrome LEICA-R rapid bayonet  
Black finish  
Built-on, extendable lens hood  
Lens cap: 14289  
Length from bayonet flange: 54 mm  
Diameter: 66 mm  
Weight: 0.422 kg

### 35 mm SUMMICRON-R f/2

With lens hood, lens cap and rear cover ..... 11115

## 50 mm SUMMICRON-R f/2

Fast universal lens



Angle of view: 45°  
Number of elements: 6 (4 components)  
Filter size: E 55 or Series 7  
For Series 7 filters the adapter 14225 is required  
Internal thread: M 55 x 0.75  
Fully automatic pre-set diaphragm with click-stops (including 1/2 values)  
Smallest aperture: f/16  
Combined "feet-metre" scale

Focusing range: ∞ to 0.5 m (20 in)  
Smallest object field: 180 x 270 mm (7.5 x 10.75 in (about 1: 7.5))  
Non-rotating focusing mount  
Hard-chrome LEICA-R rapid bayonet  
Black finish  
Built-on, extendable lens hood  
Lens cap: 14289  
Length from bayonet flange: 41 mm  
Diameter: 66 mm  
Weight: 0.250 kg

### 50 mm SUMMICRON-R f/2

With lens hood, lens cap and rear cover ..... 11215  
Universal version for all LEICA-R and LEICAFLEX models ..... 11216  
For LEICA-R only

## 50 mm SUMMILUX®-R f/1.4

Ultra-fast lens



Angle of view: 45°  
Number of elements: 7 (6 components)  
Filter size: E 55 or Series 7  
For Series 7 filters the adapter 14225 is required  
Internal thread: M 55 x 0.75  
Fully automatic pre-set diaphragm with click-stops (including 1/2 values)  
Smallest aperture: f/16  
Combined "feet-metre" scale

Focusing range: ∞ to 0.5 m (20 in)  
Smallest object field: 180 x 270 mm (7.1 x 10.6 in)  
Rubberized focusing ring  
Non-rotating focusing mount  
Hard-chrome LEICA-R rapid bayonet  
Black finish  
Built-on, extendable lens hood  
Lens cap: 14289  
Length from bayonet flange: 50.6 mm  
Diameter: 66.5 mm  
Weight: 0.395 kg

### 50 mm SUMMILUX-R f/1.4

With lens hood, lens cap and rear cover ..... 11776



# LEICA-R-lenses

## 60 mm MACRO-ELMARIT® -R f/2.8



Universal lens for photography in the range from infinity to reproduction scale 1:1

Angle of view: 39°  
 Number of elements: 6 (5 components)  
 Filter size: E 55 or Series 7  
 For Series 7 filters the adapter 14225 is required  
 Internal thread: M 55 x 0.75  
 Fully automatic pre-set diaphragm, also with Macro Adapter R  
 Click-stops (including 1/2 values)  
 Smallest aperture: f/22  
 Combined "feet-metre" scale, reproduction scales are also engraved  
 Focusing range: ∞ to 27 cm  
 Free working distance: 15 cm  
 With Macro Adapter R: 27 to 24 cm

Free working distance: 16 to 10 cm  
 Smallest object field:  
 48 x 72 mm (1.9 x 2.9 in) (1:2)  
 with Macro Adapter R: 24 x 36 mm (0.9 x 1.4 in) (1:1)  
 Non-rotating focusing mount  
 Hard-chrome LEICA-R rapid bayonet  
 Black finish  
 Lens cap: 14289  
 Length from bayonet flange: 62.3 mm  
 Diameter: 67.5 mm  
 Length of the Macro adapter: 30 mm  
 Diameter of the Macro adapter: 62 mm  
 Weight: 0.39 kg  
 Weight of the Macro adapter R: 0.13 kg

### 60 mm MACRO-ELMARIT-R f/2.8

With lens cap and rear cover ..... 11212



### MACRO-ADAPTER-R for the LEICA R4/LEICA R3 ..... 14256

For use with aperture preferred and manual setting of shutter speed and aperture. Can be used with other auto diaphragm LEICA-R Lenses.

LEICAFLEX SL/SL2 1:1 Adapter for 60 mm MACRO-ELMARIT-R f/2.8 ..... 14198

## 80 mm SUMMILUX-R f/1.4

Ultra-high-speed lens of long focal length



Angle of view: 30°  
 Number of elements: 7 (5 components)  
 Filter size: E 67 or Series 8  
 For Series 8 filters the adapter 14264 is required  
 Internal thread: M 67 x 0.75  
 Fully automatic pre-set diaphragm with click-stops (including 1/2 values)  
 Smallest aperture: f/16  
 Combined "feet-metre" scale  
 Focusing range: ∞ to 0.8 m (32 in)

Smallest object field: 192 x 288 mm (7.6 x 11.3 in) (about 1:8)  
 Rubberized focusing ring  
 Non-rotating focusing mount  
 Hard-chrome LEICA-R rapid bayonet  
 Black finish  
 Built-on, extendable lens hood  
 Lens cap: 14291  
 Length from bayonet flange: 69 mm  
 Diameter: 75 mm  
 Weight: 0.625 kg

### 80 mm SUMMILUX-R f/1.4

With lens hood, lens cap and rear cover ..... 11880

## 90 mm ELMARIT-R f/2.8

Universal lens of long focal length



Angle of view: 27°  
 Number of elements: 4 (4 components)  
 Filter size: E 55 or Series 7  
 For Series 7 filters, adapter 14225 is required  
 Internal thread: M 55 x 0.75  
 Fully automatic pre-set diaphragm with click-stops (including 1/2 values)  
 Smallest aperture: f/22  
 Combined "feet-metre" scale  
 Focusing range: ∞ to 0.7 m (28 in)

Smallest object field:  
 140 x 210 mm (5.5 x 8.3 in) (about 1:6)  
 Non-rotating focusing mount  
 Hard-chrome LEICA-R rapid bayonet  
 Black finish  
 Built-on, extendable lens hood  
 Lens cap diameter: A65  
 Length from bayonet flange: 57 mm  
 Diameter: 65 mm  
 Weight: 0.475 kg (16.75 oz)

### 90 mm ELMARIT-R f/2.8

With lens hood, lens cap and rear cover ..... 11806

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## 90 mm SUMMICRON-R f/2

Fast portrait lens



Angle of view: 27°  
Number of elements: 5 (4 components)  
Filter size: E 55 or Series 7  
For Series 7 filters the adapter 14225 is required  
Internal thread: M 55 x 0.75\*  
Fully automatic pre-set diaphragm with click-stops (including 1/2 values)  
Smallest aperture: f/16  
Combined "feet-metre" scale  
Focusing range: ∞ to 0.7 m (28 in)

Smallest object field: 140 x 210 mm (5.5 x 8.3 in) (about 1:6)  
Non-rotating focusing mount  
Hard-chrome LEICA-R rapid bayonet  
Black finish  
Built-on, extendable lens hood  
Lens cap: 14289  
Length from bayonet flange: 62.5 mm  
Diameter: 70 mm  
Weight: 0.56 kg

### 90 mm SUMMICRON-R f/2

with lens hood, lens cap and rear cover ..... 11219

## 100 mm MACRO-ELMAR-R f/4

Universal lens of medium-long-focal length for work from ∞ up to the near-focusing range (reproduction scale 1:1.6)



Angle of view: 25°  
Number of elements: 4 (3 components)  
Filter size: E 55 or Series 7  
For Series 7 filters the adapter 14225 is required  
Internal thread: M 55 x 0.75  
Fully automatic pre-set diaphragm, also with Macro Adapter-R with click-stops (including 1/2 values)  
Smallest aperture: f/22  
Combined "feet-metre" scale, reproduction scales are also engraved  
Focusing range: ∞ to 60 cm  
Free working distance: 39 cm  
With Macro Adapter-R 60-42 cm  
Free working distance: 39-25 cm

Smallest object field: 72 x 108 mm (2.8 x 4.25 in) (about 1:3)  
With Macro Adapter-R: 38 x 57 mm (1.5 x 2.25 in) (about 1:1.6)  
Non-rotating focusing mount  
Hard-chrome LEICA R rapid bayonet  
Black finish  
Built-on, extendable lens hood  
Lens cap: 14289  
Length from bayonet flange: 90 mm  
Maximum diameter: 67.5 mm  
Weight: lens 540 g  
Length of the Macro adapter-R: 30 mm  
Diameter of the Macro Adapter-R: 62 mm  
Weight of the Macro Adapter-R: 0.13 kg

### 100 mm MACRO-ELMAR-R f/4

With lens hood, lens cap and rear cover ..... 11232

With lens hood, lens cap, near-focusing ring, and rear cover ..... 11234

### 100 mm MACRO-ELMAR f/4 head for use with BELLOWS-R

With lens hood, lens cap, and rear cover ..... 11230



### MACRO ADAPTER-R for the LEICA R4/LEICA R3

For use with automatic shutter speed control and manual setting of aperture and shutter speed

### LEICAFLEX SL/SL2

Near-focusing ring\* for the 100 mm MACRO-ELMAR-R f/4 ..... 14262

## 135 mm ELMARIT-R f/2.8

Telephoto lens



Angle of view: 18°  
Number of elements: 5 (4 components)  
Filter size: E 55 or Series 7  
For Series 7 filters, adapter 14225 is required  
Internal thread: M 55 x 0.75\*  
Fully automatic pre-set diaphragm with click-stops (including 1/2 values)  
Smallest aperture: f/22  
Combined "feet-metre" scale  
Focusing range: ∞ to 1.5 m (5 ft)

Smallest object field: 220 x 330 mm (8.7 x 13.0 in) (about 1:9)  
Non-rotating focusing mount  
Hard-chrome LEICA-R rapid bayonet  
Black finish  
Built-on, extendable lens hood  
Lens cap: 14289  
Length from bayonet flange: 93 mm  
Diameter: 75 mm  
Weight: 0.73 kg

### 135 mm ELMARIT-R f/2.8

with lens hood, lens cap and rear cover ..... 11211



# LEICA-R-lenses

## 180 mm ELMAR-R f/4

Handy telephoto lens



Angle of view: 14°  
 Number of elements: 5 (4 components)  
 Filter size: E 55 or Series 7  
 For Series 7 filters the adapter 14225 is required  
 Internal thread: M 55 x 0.75  
 Fully automatic pre-set diaphragm with click-stops (including 1/2 values)  
 Smallest aperture: f/22  
 Combined "feet-metre" scale  
 Focusing range: ∞ to 1.8 m (6 ft)

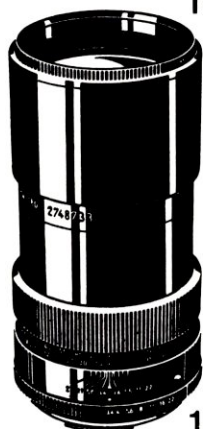
Smallest object field: 175 x 262 mm (6.9 x 10.3 in) (about 1:7)  
 Non-rotating focusing mount  
 Hard-chrome LEICA-R rapid bayonet  
 Black finish  
 Built-on, extendable lens hood  
 Lens cap: 14289  
 Length from bayonet flange: 100 mm  
 Diameter: 65.5 mm  
 Weight: 0.54 kg

### 180 mm ELMAR f/4

with lens hood, lens cap and rear cover ..... 11922

## 180 mm APO-TELYT®-R f/3.4

Special lens of extended spectral range



Angle of view: 14°  
 Number of elements: 7 (4 components)  
 Filter size: E 60 or Series 7.5  
 For Series 7.5 filters the adapter 14263 is required  
 Internal thread: M 60 x 0.75  
 Fully automatic pre-set diaphragm with click-stops (including 1/2 values)  
 Smallest aperture: f/22  
 Combined "feet-metre" scale

Focusing range: ∞ to 2.5 m (8 ft 4 in)  
 Smallest object field: 276 x 414 mm  
 Non-rotating focusing mount  
 Hard-chrome LEICA-R rapid bayonet  
 Black finish  
 Built-on, extendable lens hood  
 Lens cap: 14290  
 Length from bayonet flange: 135 mm  
 Diameter: 68 mm  
 Weight: 0.75 kg

### 180 mm APO-TELYT-R f/3.4

with lens hood, lens cap and rear cover ..... 11242

## 180 mm ELMARIT-R f/2.8

Fast telephoto lens



Angle of view: 14°  
 Number of elements: 5 (4 components)  
 Filter size: E 67 or Series 8  
 For Series 8 filters, adapter 14264 is required  
 Internal thread: M 67 x 0.75  
 Fully automatic pre-set diaphragm with click-stops (including 1/2 values)  
 Smallest aperture: f/22  
 Combined "feet-metre" scale

Focusing range: ∞ to 1.8 m (6 ft)  
 Smallest object field: 193 x 290 mm  
 Non-rotating focusing mount  
 Hard-chrome LEICA-R rapid bayonet  
 Black finish  
 Built-on, extendable lens hood  
 Lens cap: 14291  
 Length from bayonet flange: 121 mm  
 Diameter: 75 mm  
 Weight: 0.755 kg

### 180 mm ELMARIT-R f/2.8

With lens hood, lens cap and rear cover ..... 11923

## 250 mm TELYT®-R f/4

Telephoto lens



Angle of view: 10°  
 Number of elements: 7 (6 components)  
 Filter size: E 67 or Series 8  
 For Series 8 filters the adapter 14164 is required  
 Internal thread: M 67 x 0.75  
 Fully automatic pre-set diaphragm with click-stops (including 1/2 values)  
 Smallest aperture: f/22  
 Combined "feet-metre" scale  
 Focusing range: ∞ to 1.7 m (5 ft 8 in)  
 Smallest object field: 124 x 186 mm (4.9 x 7.3 in) (about 1:5.2)

Rubberized focusing ring  
 Non-rotating focusing mount  
 Hard-chrome LEICA-R rapid bayonet  
 Black finish  
 Built-on, extendable lens hood  
 Lens cap: 14291  
 Length from bayonet flange: 195 mm  
 Diameter: 75 mm  
 Weight: 1.23 kg

### 250 mm TELYT-R f/4

with lens hood, lens cap and rear cover, as well as leather case .... 11925

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## 280 mm APO-TELYT<sup>®</sup>-R f/2.8



Special high speed lens of extended spectral range

Angle of view: 8.5°  
Number of elements: 8 (7 components)  
Filter size: E 112  
Internal thread: M 112 x 1.5  
Fully automatic pre-set diaphragm with click-stops (including 1/2 values)  
Smallest aperture: f/22  
Combined "feet-metre" scale  
Focusing range (internal focusing):  
∞ to 2.5 m (8.5 ft)

Focusing beyond infinity possible  
Smallest object area:  
195 x 293 mm (about 1:8)  
Non-rotating focusing mount  
Hard-chrome LEICA-R rapid bayonet  
Black finish  
Built-on, extendable lens hood  
Lugs for carrying strap  
Length from bayonet flange: 261 mm  
Diameter: 125 mm  
Weight: 2.75 kg (6.06 lbs)

### 280 mm APO-TELYT-R f/2.8

with lens hood, lens cap, rear cover, hand support, filter, carry strap, and carrying case

11245

## 350 mm TELYT-R f/4.8



Telephoto lens

Angle of view: 7°  
Number of elements: 7 (5 components)  
Filter size: E 77  
Internal thread: M 77 x 0.75  
Fully automatic pre-set diaphragm with click-stops (including 1/2 values)  
Smallest aperture: f/22  
Combined "feet-metre" scale  
Focusing range: ∞ to 3 m (10 ft)  
Smallest object field: 171 x 257 mm (6.75 x 10.1 in) (about 1:7.1)  
Rubberized focusing ring  
Non-rotating focusing mount  
Hard-chrome LEICA-R rapid bayonet  
Black finish  
Built-on, extendable lens hood  
Tripod thread, A 1/4, DIN 4503; with click-stops, tilting for upright and horizontal format  
Leather case  
Lens cap dia: A 83.5 mm  
Length from bayonet flange: 286 mm  
Diameter: 83.5 mm  
Weight: 1.82 kg

### 350 mm TELYT-R f/4.8

with lens hood, lens cap and rear cover, as well as leather case

11915

## 500 mm MR-TELYT-R f/8



Catoptric telephoto lens (reflecting lens design)

Angle of view: 5°  
Number of elements: 6 (5 components)  
Including 2 mirrors and one special filter  
Filter size on the front ring of the lens: E 77  
Internal thread: M 77 x 0.75  
Combined "feet-metre" scale  
Focusing range: ∞ to 4 m (13 ft 4 in)  
Smallest object field: 180 x 270 mm (7.1 x 10 x 6 in) (about 1:7.5)  
Cradled helical focusing mount for hand support

Rubberized focusing ring  
Hard-chrome LEICA-R rapid bayonet  
Black finish  
Screw-on lens hood  
5 special screw-in filters: UV, neutral density 4 x, yellow, orange, red (M 32 x 0.5)  
Leather case  
Lens cap dia: A 83.5 mm  
Length from bayonet flange: 121 mm  
Diameter: 87 mm  
Weight: 0.75 kg

### 500 mm MR-TELYT-R f/8

With lens hood, lens cap and rear cover  
5 special filters and leather case

11243



# LEICA-R-lenses

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## 800 mm TELYT-S f/6.3

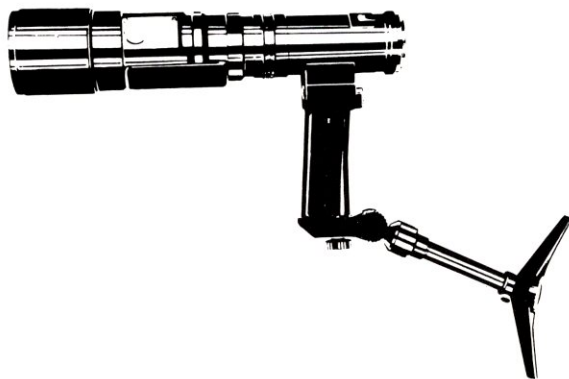
Extreme telephoto lens with LEITZ special glasses for maximum optical performance

Angle of view: 3°  
 Number of elements: 3 (1 component)  
 Filter size: Series 7 (in filter slot)  
 Click-stops (between f/6.3 and 22  
 also 1/2 values)  
 Pre-set diaphragm  
 Smallest aperture: f/32  
 Focusing range: ∞ to 12.5 m (41 ft)  
 Smallest object field: 320 x 480 mm  
 (1 ft 0.6 in—1 ft 7 in) (about 1:13)  
 Rapid focusing by means of an easy-grip  
 drive knob and parallel guide

Lens can be dismantled into 5 parts for  
 transport in a special metal case—  
 assembly and dismantling by means  
 of bayonet and marked locking rings  
 with levers  
 Sturdy carrying grip for assembled lens  
 Lining-up device in the shape of a sports  
 finder with rear and front sight and  
 field-of-view orienting device for  
 upright and horizontal format, pro-  
 tected against damage by integration  
 with the carrying handle

Detachable and lockable lens hood  
 Slot with cover for Series 7 filters  
 Tripod thread A 1/4 and A 3/8, DIN 4503  
 (1/4 in and 3/8 in) for robust tripods.  
 Support ring, rotatable with tripod thread  
 A 1/4 (DIN 4503) (1/4 in) for additional  
 monopod  
 Black finish  
 LEICA-R rapid bayonet  
 Rotatable tilting device for upright and  
 horizontal format, with click-stops  
 Lens cap dia: A 152 mm  
 Length from bayonet flange: 790 mm  
 Diameter: 152 mm  
 Weight: 6.86 kg

**800 TELYT-S f/6.3, complete,  
 with special metal transport case . . . . . 11921**



## TELYT-R f/6.8 400 mm

Follow-focus lens of long focal length

Angle of view: 6°  
 Number of elements: 2  
 Filter size: Series 7 (in filter slot)  
 or Series 8 with filter adapter 14165  
 External lens mount diameter: A 78  
 Click-stops (between f/8 and f/16  
 also 1/2 values)  
 Smallest aperture: f/32  
 Focusing range: ∞ to 3.6 m (12 ft)  
 Smallest object field:  
 158 x 236 mm (6 1/4 x 11 1/2")  
 Black finish  
 Built-on, extendable lens hood  
 Detachable shoulder stock  
 Internal thread: M 72 x 0.75  
 Weight: 1.830 kg

**TELYT-R f/6.8 400 mm consisting of:**

Lens unit . . . . .	<b>11903</b>
Lens tube . . . . .	<b>11906</b>
Hand grip . . . . .	<b>14239</b>
Case . . . . .	<b>14582</b>
<b>TELYT-R f/6.8 400 mm complete . . . . .</b>	<b>11953</b>



## TELYT®-R f/6.8 560 mm

Long-focal-length follow-focus lens

Angle of view: 4.3°  
 Number of elements: 2  
 Filter size: Series 7 (in filter slot)  
 External lens mount diameter: A 98  
 Click-stops (between f/8 and f/16 also 1/2 values)  
 Smallest aperture: f/32  
 Focusing range: ∞ to 6.4 m (21 ft 4 in)  
 Smallest object field:  
 224 x 336 mm (9 x 13 1/2 in)  
 1/4 " and 3/8 " tripod threads  
 Black finish  
 Built-on, extendable lens hood  
 Detachable shoulder stock  
 Weight: 2.330 kg

### TELYT-R f/6.8 560mm consisting of:

Lens unit .....	11907
Lens tube .....	11906
Hand grip .....	14239
Case .....	14581
TELYT-R f/6.8 560 mm, complete .....	11853

### Adjoining focusing ranges (1 tube)

- a) with TELYT f/6.8 400 mm: 33-226cm  
 (11 ft 7 in x 7 ft 5 in)
- b) with TELYT f/6.8 560 mm: 641-386cm  
 (21 ft x 12 ft 7 in)

### Smallest object fields (1 tube)

- 8 x 12cm (3.1 x 4.7 in)
- 11.2 x 16.8cm (4.4 x 6.6 in)

### Accessories

Electric cable release for insertion in the universal handgrip for the LEICA R4-MOT with MOTOR WINDER R4/MOTOR DRIVE R4 .....	14237
Carrying strap for heavy equipment .....	14130
<b>Extension tube (60 mm) for the TELYT-R f/6.8 400 mm and f/6.8 560 mm lenses, for extending the focusing range (close-up) .....</b>	<b>14182</b>

## New universal handgrip and shoulder stock



A new version of the popular handgrip and shoulder stock combination is now available under catalog number 14239.

In addition to making it easier to obtain sharp results with hand-held long lenses, it also doubles as a mini-tripod. The locating pin on the handgrip support surface is now spring loaded, so it may be used with lenses which do or do not have a locating hole drilled in the tripod platform.

The handgrip has a hole drilled through it to accept the electric release or the twin cable release.



# LEICA-R-lenses

## EXTENDER-R 2x for the LEICA-R



Focal-length-extending lens attachment

Number of elements: 5 (4 components)  
Aperture range from f/2 to f/22  
Fully automatic pre-set diaphragm transfer for automatic shutter speed control and manual setting of shutter speed and aperture

Focal length suitable for use from 50 to 800 mm  
Hard chrome LEICA-R rapid bayonet changer  
Black finish  
Length from bayonet flange: 30 mm  
Diameter: 62 mm  
Weight: 0.18 kg

### EXTENDER-R 2x for LEICA-R

with 2 caps, and case ..... 11236

### EXTENDER-R 2x for the LEICAFLEX SL/SL2

with two caps, and case ..... 11237

## 35-70 mm VARIO-ELMAR-R f/3.5

Zoom lens from wide angle to short tele

Angle of view: 64°-35°  
Number of elements: 8 (7 components)  
Filter size: E 60  
Internal thread M 60 x 0.75  
Fully automatic diaphragm with click stops, (including half values)  
Smallest aperture: f/22  
Combined "feet-metre" scale  
Focusing range: ∞ to 1 meter  
Smallest object field:  
35 mm: 632 x 947 mm (about 1:26)  
70 mm: 338 x 507 mm (about 1:14)  
Separate rings for focusing and for changing focal length.  
Hard chrome LEICA-R rapid bayonet  
Black finish  
Built-on, extendable lens hood  
Length from bayonet flange: 64.5 mm  
Maximum diameter: 72 mm  
Weight: 0.420 kg (14.8 oz)



### 35-70 mm VARIO-ELMAR-R f/3.5

with lens hood, lens cap, and rear cover ..... 11244

## 70-210 mm VARIO-ELMAR-R f/4

Zoom lens from short tele to medium tele

Angle of view: 35°-12°  
Number of elements: 12 (9 components)  
Filter size: E 60  
Internal thread M 60 x 0.75  
Fully automatic diaphragm with click stops, (including half values except between f/4 and f/5.6)  
Smallest aperture: f/22  
Combined "feet-metre" scale  
Focusing range: ∞ to 1.1 m  
Smallest object field:  
70 mm: 264 x 296 mm (about 1:11)  
210 mm: 96 x 144 mm (about 1:4)  
Single ring for changing focus and focal length.  
Hard chrome LEICA-R rapid bayonet  
Black finish  
Built-on, extendable lens hood  
Length from bayonet flange: 157 mm  
Maximum diameter: 73.5 mm  
Weight: 0.720 kg (25.4 oz)

### 70-210 mm VARIO-ELMAR-R f/4

with lens hood, lens cap, and rear cover ..... 11246

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## 35-70 mm ANGENIEUX ZOOM f/2.5-3.3

Zoom lens from wide angle to short tele

Angle of view: 64°-35°  
 Number of elements: 11  
 Filter size: E 58  
 Fully automatic diaphragm with click stops  
 Smallest aperture: f/22  
 Focusing range: ∞ to 1 meter  
 Separate rings for focusing and for  
 changing focal length  
 Black finish  
 Clip-on lens hood  
 Length: 136 mm  
 Maximum diameter: 71 mm  
 Weight: 0.525 kg (18.5 oz)

**35-70 mm ANGENIEUX ZOOM f/2.5-3.3**  
 with lens hood, UV filter, lens cap, and rear cover

<b>LEICA-R</b> mount .....	<b>98005</b>
<b>NIKON</b> mount .....	<b>98007</b>
<b>CANON</b> mount .....	<b>98009</b>
<b>MINOLTA</b> mount .....	<b>98011</b>
<b>PENTAX</b> mount .....	<b>98013</b>
<b>OLYMPUS</b> mount .....	<b>98015</b>

## 70-210 mm ANGENIEUX ZOOM f/3.5

Zoom lens from short tele to medium tele

Angle of view: 35°-12°  
 Number of elements: 15 (11 components)  
 Filter size: E 62  
 Fully automatic diaphragm  
 Smallest aperture: f/22  
 Focusing range: ∞ to 0.86 meter  
 Single ring for focusing and zooming  
 Black finish  
 Clip-on lens hood  
 Length: 175 mm  
 Maximum diameter: 71 mm  
 Weight: 0.780 kg (27.5 oz)

**70-210 mm ANGENIEUX ZOOM f/3.5**  
 with lens hood, UV filter, lens cap, and rear cover

<b>LEICA-R</b> mount .....	<b>98006</b>
<b>NIKON</b> mount .....	<b>98008</b>
<b>CANON</b> mount .....	<b>98010</b>
<b>MINOLTA</b> mount .....	<b>98012</b>
<b>PENTAX</b> mount .....	<b>98014</b>
<b>OLYMPUS</b> mount .....	<b>98016</b>



Lens	maximum aperture Focal length in mm	Cat. No.	Angle of view	Smallest aperture	Focusing range in m	Smallest object area in mm	Filter size series	Lenshood Replacement	Lenscap Replacement
<b>SUPER-ELMAR-R</b>	<b>f/3.5/15</b>	11213	110°	22	∞-0.16	70 x 106	Built-in	Built-in	14294
<b>Fisheye-ELMARIT-R</b>	<b>f/2.8/16</b>	11222	180°	16	∞-0.30	401 x 601	Built-in	Built-in	14089
<b>ELMARIT-R</b>	<b>f/2.8/19</b>	11225	95.7°	16	∞-0.30	261 x 392	—	12529	14221
<b>SUPER-ANGULON-R</b>	<b>f/4/21</b>	11813	92°	22	∞-0.20	148 x 221	8.5	12506	14145
<b>ELMARIT-R</b>	<b>f/2.8/24</b>	11221	84°	22	∞-0.30	250 x 374	8	12523	14184
<b>ELMARIT-R</b>	<b>f/2.8/28</b>	11204	76°	22	∞-0.30	188 x 282	7	12509	14172
<b>PA-CURTAGON-R</b>	<b>f/4/35</b>	11202	64/78°	22	∞-0.30	140 x 210	8	12514	14290
<b>ELMARIT-R</b>	<b>f/2.8/35</b>	11231	64°	22	∞-0.30	140 x 210	E 55	Built-in	14289
<b>SUMMICRON-R</b>	<b>f/2/35</b>	11115	64°	16	∞-0.30	140 x 210	E 55	Built-in	14289
<b>SUMMILUX-R</b>	<b>f/1.4/35</b>	11143	64°	16	∞-0.50	266 x 399	E67	Built-in	14297
<b>SUMMICRON-R</b>	<b>f/2/50</b>	11215	45°	16	∞-0.50	180 x 270	E 55	Built-in	14289
<b>SUMMILUX-R</b>	<b>f/1.4/50</b>	11776	45°	16	∞-0.50	180 x 270	E 55	Built-in	14289
<b>MACRO-ELMARIT-R</b>	<b>f/2.8/60</b>	11212	39°	22	∞-0.27 (with adapter to 1:1)	48 x 72 (24 x 36)	E 55	Built-in	14289
<b>VARIO-ELMAR-R</b>	<b>f/3.5/35-70</b>	11244	64°-35°	22	∞-1.00	632 x 947 338 x 507	E60	Built-in	14290
<b>VARIO-ELMAR-R</b>	<b>f/4/70-210</b>	11246	35°-12°	22	∞-1.10	264 x 396 96 x 144	E60	Built-in	14290
<b>SUMMILUX-R</b>	<b>f/1.4/80</b>	11880	30°	16	∞-0.80	192 x 288	E 67	Built-in	14291
<b>ELMARIT-R</b>	<b>f/2.8/90</b>	11806	27°	22	∞-0.70	140 x 210	E55	Built-in	14289
<b>SUMMICRON-R</b>	<b>f/2/90</b>	11219	27°	16	∞-0.70	140 x 210	E 55	Built-in	14289
<b>MACRO-ELMAR-R</b>	<b>f/4/100</b>	11232	25°	22	∞-0.60 (with adapter to 1:1.6)	72 x 108 (38 x 57)	E 55	Built-in	14289
<b>MACRO-ELMAR</b>	<b>f/4/100</b>	11230	25°	22	In the focusing bellows- R only ∞-1:1	24 x 36	E 55	Built-in	14289
<b>ELMARIT-R</b>	<b>f/2.8/135</b>	11211	18°	22	∞-1.50	220 x 330	E 55	Built-in	14289
<b>ELMAR-R</b>	<b>f/4/180</b>	11922	14°	22	∞-1.80	175 x 262	E 55	Built-in	14289
<b>APO-TELYT-R</b>	<b>f/3.4/180</b>	11242	14°	22	∞-2.50	276 x 414	E 60	Built-in	14290
<b>ELMARIT-R</b>	<b>f/2.8/180</b>	11923	14°	22	∞-1.80	193 x 290	E 67	Built-in	14291
<b>TELYT-R</b>	<b>f/4/250</b>	11925	10°	22	∞-1.70	124 x 186	E 67	Built-in	14291
<b>APO-TELYT-R</b>	<b>f/2.8/280</b>	11245	8.5°	22	∞-2.50	195 x 293	E112	Built-in	
<b>TELYT-R</b>	<b>f/4.8/350</b>	11915	7°	22	∞-3.00	171 x 257	E 77	Built-in	14294
<b>TELYT-R</b>	<b>f/6.8/400</b>	11953	6°	32	∞-3.60	158 x 236	7	Built-in	14152
<b>MR-TELYT-R</b>	<b>f/8/500</b>	11243	5°	8	∞-4.00	180 x 270	(E 77) 5 filters available	Built-in	14294
<b>TELYT-R</b>	<b>f/6.8/560</b>	11853	4.3°	32	∞-6.40	224 x 336	7	Built-in	14295
<b>TELYT-S</b>	<b>f/6.3/800</b>	11921	3°	32	∞-12.50	320 x 480	7	Built-in	on request
<b>ANGENIEUX ZOOM</b>	<b>f/2.5-3.3/35-70</b>	98005	64°-35°	22	∞-1.00		E58		
<b>ANGENIEUX ZOOM</b>	<b>f/3.5/70-210</b>	98006	35°-12°	22	∞-0.86		E62		

# LEICA M CAMERAS

PAGE 17

## LEICA M6



### Type of camera:

35 mm measuring viewfinder camera. Interchangeable lenses. Rapid motor wind with attachable MOTOR WINDER M4-P.

Compact, all-metal body with hinged back. Stainless steel carrying eyelets on both sides. Mechanical connection for the LEICA WINDER M4-P. Rapid bayonet changing mount for LEICA M lenses and accessories. Accessory shoe with centre contact. Flash contact for X. Field-of-view selector.

### Lens system:

LEICA M lenses with rapid bayonet changing mount from 21 to 135 mm. All lenses with LEITZ Absorban cementing layers and LEITZ coating.

### Measuring viewfinder:

• Bright and contrasty finder image with bright field-of-view frame for 28 mm and 90 mm, 35 mm and 135 mm or 50 mm and 75 mm and automatic parallax compensation.

### Meter:

Through the lens selective meter, reads light reflected from bright spot on first shutter curtain.

Meter sensitivity from 0-20 EV at ISO 100

### Shutter:

Horizontally acting rubber-blind focal-plane shutter, extremely quiet. Mechanically determined speeds: 1, 1/2, 1/4, 1/8, 1/15, 1/30, 1/60, 1/125, 1/500, 1/1000 sec, and B = time exposures of any desired duration.

### Film loading:

Remove the baseplate and turn up the center part of the camera back. Rapid film loading system for all commercial 35 mm films and LEICA cassettes.

**Dimensions:** Height: 77 mm, Length: 138 mm, Depth: 36 mm

### Weight:

Body without lens: 0.560 kg

### LEICA M6, black chromium finish

Complete with camera body cover, flash socket cover, carrying strap, and two batteries

10404

## LEICA-WINDER M4-P



Compact, handy winder for the LEICA M6, LEICA M4-P, LEICA M4-2, and LEICA MD-2.

Single-frame exposures and series with the camera release.

Frame frequency up to 3fps. Tripod socket in base.

**Available shutter speeds:** 1/1000 to 1 sec and "B."

**Remote release** via cable release.

**Manual film transport and shutter wind possible** when the winder is disengaged or the batteries are exhausted.

**Battery housing** for 4 1.5v midget cells or 4 NC batteries.

### Dimensions:

Height including battery housing 56 mm, length 138 mm, depth 35 mm.

**Weight:** 0.37 kg.

LEICA WINDER M4-P

14401

Housing for ordinary or rechargeable batteries (replacement)

14402

## Cases

Nappa leather ever-ready case for

LEICA M6 with 50 mm lens

14505

Nappa leather combi case for LEICA M6

plus two lenses and accessories

14840

Nappa leather universal case for LEICA M6

plus four lenses and accessories

14827



# LEICA M CAMERAS

## LEICA M4-P



### Type of camera:

35 mm measuring viewfinder camera. Interchangeable lenses. Rapid motor wind with attachable MOTOR WINDER M4-2. Attachable coupled exposure meter.

Compact, all-metal body with hinged back. Stainless steel carrying eyelets on both sides. Mechanical connection for the LEICA WINDER M4-2. Rapid bayonet changing mount for LEICA M lenses and accessories. Accessory shoe with center contact. Separate flash contacts for X and M. Field-of-view selector.

### Lens system:

LEICA M lenses with rapid bayonet changing mount from 21 to 135 mm. With VISOFLEX 3 attachment from 65 to 800 mm. All lenses with LEITZ Absorban cementing layers and LEITZ coating.

### Measuring viewfinder:

• Bright and contrasty finder image with bright field-of-view frame for 28 mm and 90 mm, 35 mm and 135 mm or 50 mm and 75 mm and automatic parallax compensation.

### Shutter:

Horizontally acting rubber-blind focal-plane shutter, extremely quiet, Mechanically determined speeds: 1, 1/2, 1/4, 1/8, 1/15, 1/30, 1/60, 1/125, 1/500, 1/1000 sec, and B = time exposures of any desired duration.

### Film loading:

Remove the baseplate and turn up the center part of the camera back. Rapid film loading system for all commercial 35 mm films and LEICA cassettes.

**Dimensions:** Height: 77 mm, Length: 138 mm, Depth: 36 mm

### Weight:

Body without lens: 0.545 kg. Body with the 50 mm SUMMICRON-M f/2:0.74 kg

### LEICA M4-P, black chromium finish

Complete with camera body cover, flash socket covers  
and carrying strap

10415

LEICA M4-P, silver chrome

10416

## LEICA-WINDER M4-2

Compact, handy winder for the LEICA M4-P, LEICA M4-2, and LEICA MD-2. Single-frame exposures and series\* with the camera release. Frame frequency up to 3fps.

**Available shutter speeds:** 1/1000 to 1 sec and "B."

\*With LEICA-WINDER M4-2 under serial No. 10350 a series release is not possible.

**Remote release** via cable release.

**Manual film transport and shutter wind possible** when the winder is disengaged or the batteries are exhausted.

**Battery housing** for 4 1.5v midget cells or 4 NC batteries.

### Dimensions:

Height including battery housing 56 mm, length 138 mm, depth 35 mm.

**Weight:** 0.37 kg.

### LEICA WINDER M4-2

14400

Connecting cable for external supply (replacement)

14229

Housing for ordinary or rechargeable batteries (replacement)

14227



## LEICAMETER MR exposure meter

LEICAMETER MR, silver finish

14217

LEICAMETER MR, black chromium finish

14218

Leather case for the LEICAMETER

14213

## Correction Lenses for LEICA M Models (spherical)

+1.0	14362
+1.5	14363
+2	14364
+3	14365
-0.5	14366
-1	14367
-1.5	14368
-2	14369
-3	14370

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## Everready case

For the LEICA M4-P (without LEICA WINDER) with LEICAMETER MR  
21 mm, 28 mm, 35 mm or 50 mm f/2 or 50 mm f/1.4 lens .....

14546



## Combination case

External dimensions about 17 x 16 x 9 cm

Accepting:

1 LEICA M4-P with LEICAMETER MR and 500 mm\* f/2, 35 mm f/2, 35 mm f/1.4,  
28 mm\* f/2.8, or 21 mm f/2.8 lens in position, in addition 1 90 mm f/2.8 or 135 mm f/4  
(TELE-ELMAR-M) lens.

Combination case for the LEICA M4-P .....

14826

## Accessories M6/M4-P

Carrying strap with non-slip pad (replacement) .....	14258
Flash socket plug .....	15526
Mini tripod .....	14100
Large ball joint head .....	14110
Small ball joint head .....	14119
Cable release, 10" .....	14067
Cable release, 20" .....	14076
Mirror finder for 28 mm lens .....	12017
Body opening cover .....	14195

## Correction lenses

for LEICA M models (spherical)	Code No.
+1.0 .....	14362
+1.5 .....	14363
+2 .....	14364
+3 .....	14365
-0.5 .....	14366
-1 .....	14367
-1.5 .....	14368
-2 .....	14369
-3 .....	14370



# LEICA-M-lenses

## 21 mm ELMARIT-M f/2.8



Lens of extremely wide angle of view

Angle of view: 92°  
 Number of elements: 8 (6 components)  
 Filter size: E 60  
 Internal thread: M 60 x 0.75  
 Click-stops (including 1/2 values)  
 Smallest aperture: f/16  
 Combined "feet-metre" scale  
 Focusing range: ∞ to 0.7 m (28 in)

Smallest object field: 705 x 1058 mm  
 (2 ft 3.75 in x 3 ft 5.7 in) (about 1:30)  
 Non-rotating focusing mount  
 Brilliant finder required  
 Hard-chrome LEICA M rapid bayonet  
 Black finish  
 Push-on lens hood 12537  
 Lens cap dia: A 51 mm 14290  
 Length from bayonet flange: 46 mm  
 Diameter: 62 mm  
 Weight: .300 kg



### 21 mm ELMARIT-M f/2.8

with lens hood, lens cap and rear cover .....	<b>11134</b>
Brilliant finder with case .....	<b>12012</b>
Replacement case (Finder) .....	<b>14628</b>

## 28 mm ELMARIT-M f/2.8



Wide angle lens

Angle of view: 76°  
 Number of elements: 8 (6 components)  
 Filter size: E 49  
 Internal thread: M 49 x 0.75  
 Click-stops (including 1/2 values)  
 Smallest aperture: f/22  
 Combined "feet-metre" scale  
 Focusing range: ∞ to 0.7 m (28 in)  
 Smallest object field: 533 x 800 mm  
 (21 x 32.5 in) (about 1:22)

Non-rotating focusing mount  
 Built-in camera finder  
 Hard-chrome LEICA M rapid bayonet  
 Black finish  
 Push-on lens hood 12536  
 Lens cap dia: A 51 mm 14001  
 Length from bayonet flange: 48 mm  
 Diameter: 53 mm  
 Weight: 0.25 kg

### 28 mm ELMARIT-M f/2.8

with lens hood, lens cap and rear cover .....	<b>11804</b>
Brilliant finder with case* .....	<b>12017</b>
Replacement case (finder) .....	<b>14628</b>

## 35 mm SUMMICRON-M f/2



High-speed wide angle

Angle of view: 64°  
 Number of elements: 7 (5 components)  
 Filter size: E 39  
 Internal thread: M 39 x 0.5  
 Click-stops (including 1/2 values)  
 Smallest aperture: f/16  
 Combined "feet-metre" scale  
 Focusing range: ∞ to 0.7 m (28 in)

Smallest object field: 430 x 640 mm  
 (17 x 25 in) (about 1:18)  
 Non-rotating focusing mount  
 Built-in camera finder  
 Hard-chrome LEITZ M rapid bayonet  
 Black finish  
 Push-on lens hood 12524  
 Lens cap dia: A 42 mm 14268  
 Length from bayonet flange: 26 mm  
 Diameter: 52 mm  
 Weight: 0.19 kg

### 35 mm SUMMICRON-M f/2

with lens hood, lens cap and rear cover .....	<b>11310</b>
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## 35 mm SUMMILUX-M f/1.4



Ultra-high-speed wide-angle lens

Angle of view: 64°  
 Number of elements: 7 (5 components)  
 Filter size: Series 7, for insertion  
 in the lens hood  
 Click-stops (including 1/2 values)  
 Smallest aperture: f/16  
 Combined "feet-metre" scale  
 Focusing range: ∞ to 1 m (40 in)  
 Smallest object field: 630 x 950 mm  
 (25 x 37 in) (about 1:26)

Non-rotating focusing mount  
 Built-in camera finder  
 Hard-chrome LEICA M rapid bayonet  
 Black finish  
 Lens hood functions as filter holder, 12504  
 to be unscrewed for insertion  
 of Series 7 filters  
 Lens cap dia: A 42 mm 14268  
 Length from bayonet flange: 28 mm  
 Diameter: 53 mm  
 Weight: 0.245 kg

### 35 mm SUMMILUX-M f/1.4

with lens hood, lens cap and rear cover .....	<b>11870</b>
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## 50 mm SUMMICRON-M f/2



High-speed universal lens

Angle of view: 45°  
Number of elements: 6 (4 components)  
Filter size: E 39  
Internal thread: M 39 x 0.5  
Click-stops (including 1/2 values)  
Smallest aperture: f/16  
Combined "feet-metre" scale  
Focusing range: ∞ to 0.7 m (28 in)  
Smallest object field: 277 x 416 mm  
(11 x 16.4 in approx) (about 1:11.5)

Non-rotating focusing mount  
Built-in camera finder  
Hard-chrome LEICA M rapid bayonet  
Black finish  
Push-on lens hood 12538  
Lens cap dia: A 42 mm 14268  
Length from bayonet flange: 42 mm  
Diameter: 52 mm  
Weight: 0.195 kg

### 50 mm SUMMICRON-M f/2

with lens hood, lens cap and rear cover ..... 11819

## 50 mm SUMMILUX-M f/1.4



Ultra-high speed lens

Angle of view: 45°  
Number of elements: 7 (5 components)  
Filter size: E 43  
Internal thread: M 43 x 0.45  
Click-stops (from No. 2048701 including 1/2 values)  
Smallest aperture: f/16  
Combined "feet-metre" scale  
Focusing range: ∞ to 1 m (40 in)  
Smallest object field: 410 x 620 mm  
(16 x 24.5 in approx) (about 1:17)

Non-rotating focusing mount  
Built-in camera finder  
Hard-chrome LEICA M rapid bayonet  
Black finish  
Push-on lens hood 12586  
Lens cap dia: A 45 mm 14037  
Length from bayonet flange: 46 mm  
Diameter: 53 mm  
Weight: 0.36 kg

### 50 mm SUMMILUX-M f/4

with lens hood, lens cap and rear cover ..... 11114

## 50 mm NOCTILUX-M f/1



Top-quality lens of extreme speed

Angle of view: 45°  
Number of elements: 7 (6 components)  
Filter size: E 60  
Internal thread: M 60 x 0.75  
Click-stops (including 1/2 values)  
Smallest aperture: f/16  
Combined "feet-metre" scale  
Focusing range: ∞ to 1 m (40 in)  
Smallest object field: 410 x 620 mm  
(11 x 16.4 in approx) (about 1:17)

Non-rotating focusing mount  
Built-in camera finder  
Hard-chrome LEICA M rapid bayonet  
Black finish  
Lockable lens hood 12539  
Lens cap dia: A 62 mm 14290  
Length from bayonet flange: 62 mm  
Diameter: 69 mm  
Weight: 0.58 kg

### 50 mm NOCTILUX-M f/1

with lens hood, lens cap and rear cover ..... 11821

## 75 mm SUMMILUX-M f/1.4



Ultra-high-speed lens of medium focal length

Angle of view: 31°  
Number of elements: 7 (5 components)  
Filter size: E 60  
Internal thread: M 60 x 0.75  
Click-stops (including 1/2 values)  
Smallest aperture: f/16  
Combined "feet-metre" scale  
Focusing range: ∞ to 1 m (40 in)  
Smallest object field: 300 x 450 mm  
(11.8 x 17.7 in) (about 1:12.5)

Non-rotating focusing mount  
Built-in camera finder  
Hard-chrome LEICA M rapid bayonet  
Black finish  
Built-in lens hood  
Lens cap dia: A 62 mm 14290  
Length from bayonet flange: 80 mm  
Diameter: 63 mm  
Weight: 0.49 kg

### 75 mm SUMMILUX-M f/1.4

lens cap and rear cover ..... 11815



# LEICA-M-lenses

## 90 mm TELE-ELMARIT-M f/2.8

Handy press and snapshot lens



Angle of view: 27°  
 Number of elements: 4 (4 components)  
 Filter size: E 39 or Series 5.5  
 For Series 5.5 filters the adapter 11251 is required  
 Internal thread: M 39 x 0.75  
 Click-stops (including 1/2 values)  
 Smallest aperture: f/16  
 Combined "feet-metre" scale  
 Focusing range: ∞ to 1 m (40 in)

Smallest object field: 220 x 330 mm (8.7 x 13 in approx.) (about 1:9)  
 Non-rotating focusing mount  
 Built-in camera finder  
 Hard-chrome LEICA M rapid bayonet  
 Black finish  
 Screw-on lens hood 11250  
 Lens cap dia: A 42 mm 11252  
 Length from bayonet flange: 62 mm  
 Diameter: 51.5 mm  
 Weight: 0.225 kg

### 90 mm TELE/ELMARIT-M f/2.8

with lens hood, lens cap and rear cover ..... 11800

## 90 mm SUMMICRON-M f/2

High-speed lens for press work



Angle of view: 27°  
 Number of elements: 5 (4 components)  
 Filter size: E 55  
 Internal thread: M 55 x 0.75  
 Click-stops (including 1/2 values)  
 Smallest aperture: f/16  
 Combined "feet-metre" scale  
 Focusing range: ∞ to 1 m (40 in)  
 Smallest object field: 220 x 330 mm (8.7 x 13 in approx.) (about 1:9)

Non-rotating focusing mount  
 Built-in camera finder  
 Hard-chrome LEICA M rapid bayonet  
 Black finish  
 Built-on, extendable lens hood  
 Lens cap dia: A 63.7 mm 11289  
 Length from bayonet flange: 79 mm  
 Diameter: 67 mm  
 Weight: 0.41 kg

### 90 mm SUMMICRON-M f/2

with lens hood, lens cap and rear cover ..... 11136

## 135 mm ELMARIT-M f/2.8 with viewfinder front attachment

Fast telephoto lens



Angle of view: 18°  
 Number of elements: 5  
 Filter size: E 55  
 External lens mount diameter: A 63.7  
 Click-stops (including 1/2 values)  
 Smallest aperture: f/32  
 Rangefinder coupling: 00 to 1.5 m (60")  
 Smallest object field:  
 220 x 330 mm (9 x 13" approx)  
 Combined "feet-metre" scale  
 Lens unit can be unscrewed from the mount  
 Built-in camera finder  
 Non-rotating focusing mount  
 Black finish  
 Built-on, extendable lens hood  
 Internal thread: M 55 x 0.75  
 Weight: 0.730 kg

### 135 mm ELMARIT-M f/2.8

with lens hood, lens cap and rear cover ..... 11829

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Lens	Lens opening and focal length in mm	Cat. No.	Image angle	Number of lens elements	Smallest diaphragm	Focusing range in m	Smallest object field in mm	Filter size	Weight in g
<b>ELMARIT-M</b>	<b>f/2.8/21</b>	11134	92°	8	16	∞-0.7	705 x 1058	E 60	290
<b>ELMARIT-M</b>	<b>f/2.8/28</b>	11804	76°	8	22	∞-0.7	533 x 800	E 49	250
<b>SUMMICRON-M</b>	<b>f/2/35</b>	11310	64°	7	16	∞-0.7	430 x 640	E 39	190
<b>SUMMILUX-M</b>	<b>f/1.4/35</b>	11870	64°	7	16	∞-1.0	630 x 950	Series 7	245
<b>SUMMICRON-M</b>	<b>f/2/50</b>	11819	45°	6	16	∞-0.7	277 x 416	E 39	195
<b>SUMMILUX-M</b>	<b>f/1.4/50</b>	11114	45°	7	16	∞-1.0	410 x 620	E 43	360
<b>NOCTILUX-M</b>	<b>f/1/50</b>	11821	45°	7	16	∞-1.0	410 x 620	E 58	580
<b>SUMMILUX-M</b>	<b>f/1.4/75</b>	11815	31°	7	16	∞-1.0	300 x 450	E 60	625
<b>TELE-ELMARIT-M</b>	<b>f/2.8/90</b>	11800	27°	4	16	∞-1.0	220 x 330	E 39	225
<b>SUMMICRON-M</b>	<b>f/2/90</b>	11136	27°	5	16	∞-1.0	220 x 330	E 55	460
<b>TELE-ELMAR-M</b>	<b>f/4/135</b>	11851	18°	5	22	∞-1.5	220 x 330	E 39	550
<b>ELMARIT/M with viewfinder front attachment</b>	<b>f/2.8/135</b>	11829	18°	5	32	∞-1.5	220 x 330	E 55	735



# Accessories for the LEICA-M

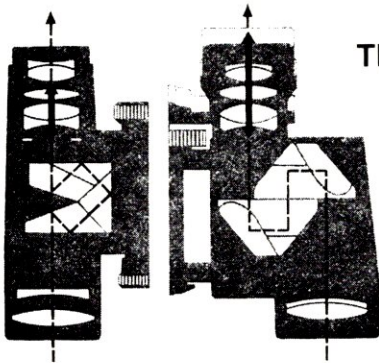
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## Accessories for the LEICA M lenses

LEICA M-lens	Code No.	Lens hood	Cap for lens hood	Lens cap	Rear cover	Filters or screw thread	Series
21 mm f/2.8 from No. 2993701	11134	12537	—	14290	14269	E 60	
28 mm f/2.8 from No. 2977551	11804	12536	—	14001	14269	E 49	
35 mm f/2 from No. 2974251	11310	12524	—	14268	14269	E 39	
35 mm f/1.4 from No. 2166701	11870	12504	—	14268	14269	Series 7 in lens hood	
50 mm f/2 from No. 2915801	11819	12538	—	14268	14269	E 39	
50 mm f/1.4	11114	12586	14037	14123	14269	E 43	
50 mm f/1 from No. 2919651	11821	12539	—	14290	14269	E 60	
75 mm f/1.4	11814	12539	—	14290	14269	E 60	
90 mm Tele f/2.8	11800	11250	11252	14268	14269	E 39 or S. 5.5 with adap. 11251	
90 mm f/2 from No. 3177201	11136	built-in	—	14289	14269	E 55	
135 mm Tele f/4	11851	12575	14033	14268	14269	E 39	
135 mm f/2.8 from No. 2788927	11829	built-in	—	14289	14269	E 55	

FILTERS	Screw In					Series 7
	E 39	E 43	E 49	E 55	E 60	
UVa	13131	13206	13328	13373	13381	13009
Yellow				13236		
Yellow-Green				13391	13392	13007
Orange	13101			13312	13383	13008
Circular- Polarizing				13357		13370
Polarizing	13352					

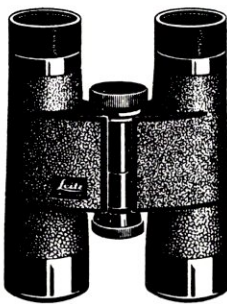


## TRINOVID®

LEITZ true internal focusing (moisture and dust resistant)  
 Roof prism design—slim, lightweight  
 Repair ratio below 1%  
 Metal housing—impact resistant  
 Lifetime warranty with USA cards  
 Increased brightness through silver prism coatings (11% brighter)  
 All models designed for eyeglass wearers.  
 Armored (rubber covered) models available in green/black (BCA/BA)

Comparison of optical paths  
 Left: LEITZ TRINOVID  
 Right: Conventional binoculars with Porro prisms

### 7 x 35 B TRINOVID



High-power binoculars with roll-back eyecups for spectacle wearers, particularly suitable for hunters.

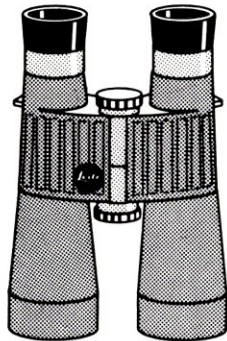
Magnification: 7 x  
 Objective diameter: 35 mm  
 Diameter of exit pupil: 5 mm  
 Twilight factor: 15.6  
 Light transmitting power: 25  
 Field of view:  
 150m at 1000m distance, 8.6°

Focusing range to about 5m (17ft)

Dimensions:  
 height approx 133 mm (5¼")  
 width approx 117 mm (4½")  
 Weight: 0.550 kg

<b>7 x 35 B TRINOVID</b> .....	<b>40214</b>
<b>7 x 35 BA TRINOVID (Green)</b> .....	<b>40238</b>
<b>7 x 35 BA TRINOVID (Black)</b> .....	<b>40002</b>
Hard leather case .....	<b>42177</b>
Strap .....	<b>42148</b>
Soft-leather ever-ready case .....	<b>42179</b>

### 7 x 42 B TRINOVID



Night glass with large exit pupil, roll-back eyecups for spectacle wearers particularly suitable for hunting and sailing

Magnification: 7 x  
 Objective diameter: 42 mm  
 Diameter of exit pupil: 6 mm  
 Twilight factor: 17.2  
 Light transmitting power: 36  
 Field of view:  
 140m at 1000m distance, 8°

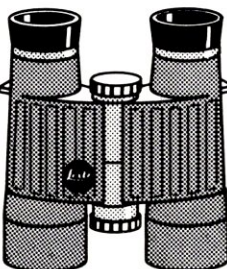
Focusing range to about 8.5m (about 28 ft)

Dimensions:  
 height approx 167 mm (6¾")  
 width approx 125 mm (5")  
 Weight: 0.650 kg

<b>7 x 42 B TRINOVID</b> .....	<b>40218</b>
<b>7 x 42 BA TRINOVID (Green)</b> .....	<b>40234</b>
<b>7 x 42 BA TRINOVID (Black)</b> .....	<b>40006</b>
Hard leather case .....	<b>42173</b>
Strap .....	<b>42148</b>
Soft-leather ever-ready case .....	<b>42189</b>

TRINOVID 7 x 42 BA

### 8 x 32 B TRINOVID



Universal binoculars with roll-back eyecups for spectacle wearers.

Magnification: 8 x  
 Objective diameter: 32 mm  
 Diameter of exit pupil: 4 mm  
 Twilight factor: 16  
 Light transmitting power: 16  
 Field of view:  
 130m at 1000m distance, 7.4°  
 Focusing range to about 6m (20 ft)

Dimensions:  
 height approx 117 mm (4½")  
 width approx 115 mm (4½")  
 Weight: 0.520 kg

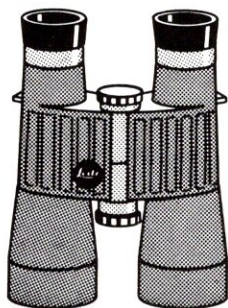
<b>8 x 32 B TRINOVID</b> .....	<b>40208</b>
<b>8 x 32 BA TRINOVID (Green)</b> .....	<b>40237</b>
<b>8 x 32 BA TRINOVID (Black)</b> .....	<b>40001</b>
Hard leather case .....	<b>42177</b>
Strap .....	<b>42148</b>
Soft-leather ever-ready case .....	<b>42181</b>

TRINOVID 8 x 32 BA



# Binoculars

## 8 x 40 B TRINOVID



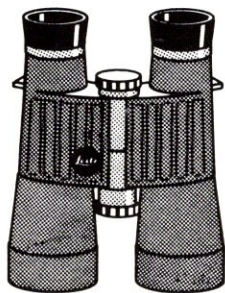
TRINOVID 8 x 40 BA

Powerful binoculars with roll-back eyecups for spectacle wearers, especially suitable for hunting and sailing

Magnification: 8 x  
Objective diameter: 40 mm  
Diameter of exit pupil: 5 mm  
Twilight factor: 17.9  
Light transmitting power: 25  
Field of view:  
128m at 1000m distance, 7.3°  
Focusing range to about 7.2m (24 ft)  
Dimensions:  
height approx 150 mm (6")  
width approx 124 mm (5")  
Weight: 0.590 kg

8 x 40 B TRINOVID .....	40221
8 x 40 BA TRINOVID (Green) .....	40235
8 x 40 BA TRINOVID (Black) .....	40003
Hard leather case .....	42173
Strap .....	42148
Soft-leather ever-ready case .....	42179

## 10 x 40 B TRINOVID



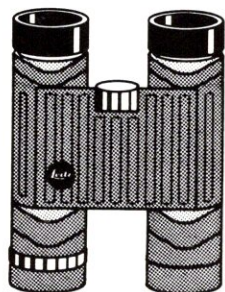
TRINOVID 10 x 40 BA

High-power binoculars with roll-back eyecups for spectacle wearers.

Magnification: 10 x  
Objective diameter: 40 mm  
Diameter of exit pupil: 4 mm  
Twilight factor: 20  
Light transmitting power: 16  
Field of view:  
110m at 100m distance, 6.3°  
Focusing range to about 9m (30 ft)  
Dimensions:  
height approx 143 mm (5 5/8")  
width approx 122 mm (4 3/4")  
Weight: 0.590 kg

10 x 40 B TRINOVID .....	40228
10 x 40 BA TRINOVID (Green) .....	40236
10 x 40 BA TRINOVID (Black) .....	40004
Hard leather case .....	42177
Strap .....	42148
Soft-leather ever-ready case .....	42179

## 8 x 20 BC TRINOVID



TRINOVID 8 x 20 BCA

Compact binoculars of high optical performance.

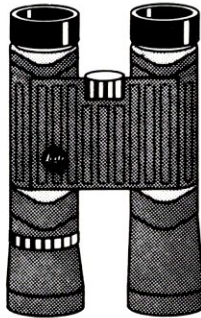
Magnification: 8 x  
Objective diameter: 20 mm  
Diameter of exit pupil: 2.5 mm  
Twilight factor: 12.65  
Field of view:  
115m at 1000m distance, 6.3°  
Focusing range to about 3m.  
Dimensions (folded):  
height: 92 mm  
width: 60 mm  
depth: 35 mm  
Weight: 0.220 kg

8 x 20 BC TRINOVID .....	40305
8 x 20 BCA TRINOVID (Green) .....	40307
8 x 20 BCA TRINOVID (Black) .....	40309
Soft-leather pouch-case .....	42198

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## 10 x 25 BC TRINOVID



TRINOVID 10 x 25 BCA

High Power Compact binoculars

Magnification: 10 x

Objective diameter: 25 mm

Diameter of exit pupil: 2.5 mm

Twilight factor: 15.8

Field of view:

95m at 1000m distance, 5.4°

Focusing range to about 5m.

Dimensions (folded):

height: 110 mm

width: 60 mm

depth: 36 mm

Weight: 0.240 kg

**10 x 25 BC TRINOVID . . . . . 40306**

**10 x 25 BCA TRINOVID (Green) . . . . . 40308**

**10 x 20 BCA TRINOVID (Black) . . . . . 40310**

**Soft-leather pouch-case . . . . . 42199**

## Accessories for the TRINOVID binoculars

Rubber rain guard (black) for the TRINOVID B/BA (black) . . . . .	42101
Rubber rain guard (green) for the TRINOVID BA (green) . . . . .	42137
Roll-back rubber eyecup, black (replacement) for 8 x 20 C and 10 x 22 C TRINOVID binoculars . . . . .	42136
Roll-back rubber eyecup, black (replacement) for all TRINOVID B binoculars except 7 x 42B . . . . .	42133
Roll-back rubber eyecup, black (replacement) for the 7 x 42B TRINOVID . . . . .	42141
Roll-back rubber eyecup, green (replacement) for all TRINOVID BA binoculars except 7 x 42BA . . . . .	42138
Roll-back rubber eyecup, green (replacement) for the 7 x 42BA TRINOVID . . . . .	42139
Black web strap for full-size TRINOVID binoculars . . . . .	42148

**TRINOVID quality is achieved by extremely tight tolerance standards:**

2% magnification difference

1/4° parallelism

1/1200° prism edge accuracy

Metal body

Silver prism coatings



# Slide Projectors

## PRADOLUX RT-300/AV



**Automatic, full featured 35 mm slide projector** for 2" x 2" (5 x 5cm) slides, accepts all standard Kodak Carousel® slide trays, stack loaders, and remote extension cords.

**Uses superb Leitz projection lenses** from 50 mm to 200 mm focal lengths.

**Accepts all 7-pin Ektagraphic® plug dissolve units.**

**True-color**, from dichroic mirror illumination system, which eliminates the need for a heat filter.

**Efficient cooling system** keeps gate temperature as low as 135°.

**Autofocus** can be switched off if desired, and also has remote override.

**Remote Control:** Forward, reverse, focus.

**Built-in dark shutter**, avoids annoying "white screen" when no slide is in gate.

**Built-in intervalometer** will automatically change slides from 2 to 20 seconds. Can be overridden by remote.

**Accurate 3-way slide registration** makes the RT-300/AV ideal for multimedia presentations.

**Lamp economy switch.**

**Lamp easily accessible** from rear door.

**Rapid action** elevation adjustments.

**Retractable** 8 foot long cord.

**2 Auto resetting thermal fuses**, 1 for lamp, 1 for motor.

**Carrying handle** side-mounted for convenience.

**Durable lexan housing.**

### Projection Lamps:

"ELH" standard lamp; 120V, 300W

"ENH" long life bulb; 120V, 250W

"ENG" high brightness bulb; 120V, 300W

**Dimensions:** 13.6" x 5.6" x 13.0" (34 x 14 x 32.5cm)

**Weight:** 14.5 lbs. (6.5kg)

### Projectors

RT-300/AV Basic (w/o lens) .....	200010
RT-300/AV Basic for 220/240 volt 50 Hz current .....	200009
RT-300/AV + 50/2.8 Elmarit-P .....	200023
RT-300/AV + 60/2.8 Elmaron .....	200021
RT-300/AV + 85/2.8 Elmaron .....	200011
RT-300/AV + 90/2.5 Colorplan CF .....	200012
RT-300/AV + 90/2.5 Colorplan .....	200013
RT-300/AV + 120/2.8 Elmarit-P CF .....	200014
RT-300/AV + 120/2.8 Elmaron .....	200017
RT-300/AV + 150/2.8 Elmarit-P CF .....	200018
RT-300/AV + 150/3.2 Elmaron .....	200019
RT-300/AV + 200/3.4 Elmaron .....	200024
RT-300/AV + 60-110/3.5 Vario Elmaron .....	200015
RT-300/AV + 110-200/3.5 Vario Elmaron .....	200016
RT-300/AV + 70-120/3.5 Zoom .....	200017

### Lenses

50/2.8 Elmarit-P .....	37011
60/2.8 Elmaron .....	37004
85/2.8 Elmaron .....	37003
90/2.5 Colorplan CF .....	37015
90/2.5 Colorplan .....	37005
120/2.8 Elmarit-P CF .....	37012
120/2.8 Elmaron .....	37022
150/2.8 Elmarit-P CF .....	37013
150/2.8 Elmarit-P .....	37017
150/3.2 Elmaron .....	37031
200/3.4 Elmaron .....	37009
60-110/3.5 Vario Elmaron (zoom) .....	37026
110-200/3.5 Vario Elmaron (zoom) .....	37027
70-120/3.5 zoom .....	37028

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# Slide Projectors

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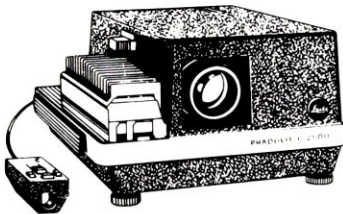
## PRADOLUX RT-300/AV

### Accessories

Deluxe covered slide tray .....	200800
Cordura case/RT-300 .....	200709
Dust cover/RT-300 .....	200707
Two projector stand .....	200702
Universal lens sleeve .....	37133
Leveling slide (set 2) .....	98151
Test slide .....	98150

Carousel® and Ektagaphic® are registered trademarks of the Eastman Kodak Company.

## PRADOVIT CA 2502 (WITH BUILT-IN TRIAC)



Automatic 35 mm slide projector with **smoothest slide change**, without dark intervals. This projector is **easy on your eyes**.

Uses standard European 36 or 50 capacity trays, or the **new, high capacity 60 or 80 capacity LKM trays**.

Optimized for 35 mm format, yet **can accept special condensers if superslides are used**.

**Highest optical performance**, with Leitz projection lenses, combined with matched condensing system.

**Built-in Triac** accepts DU 24A or DU 24M dissolve units.

**Autofocus**, with override.

Built-in, focusable **light pointer in remote control**.

Remote control (forward, reverse, focus).

**Projection Lamp:** ASA Code EHJ (Leitz catalog #37723)

**Dimensions:** 13" x 10½" x 6½" (33.4cm x 26.8cm x 16.6cm)

**Weight:** Between 15 and 22 lbs., depending on equipment.

### ....PLEASE NOTE....

The Pradovit CA 2502 is a modular projector, and therefore must be ordered by components. Components needed are; projector body, focusing mount, lens, A.C. cord, remote control (optional), and cover (optional). Component information is listed below.

### Bodies:

CA 2502 Basic w/built-in Triac .....	30401
CA 2502 Basic (30401) <b>includes</b> lamp, standard field condenser, aspherical condenser, and one 60 capacity LKM tray.	

**Focusing Mounts** ... Needed to attach projection lenses to CA 2502 body.

For 35 mm-200 mm lenses with 42.5 mm barrel .....	37119
For 200/3.6 Elmaron .....	37129
For 250/4 Elmaron .....	37130

### Remote Control Cord

For CA 2502 Basic .....	37930
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### Cover

For CA 2502 Basic (w/lenses up to 120 mm) .....	37982
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### A.C. Cord

For CA 2502 Basic .....	37656
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### Condensers (35 mm)

35 mm to 50 mm .....	37223
60 mm to 150 mm (including zooms) (repl.) .....	37224
200 mm to 250 mm .....	37225

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# Slide Projectors

## PRADOVIT CA 2502 (WITH BUILT-IN TRIAC)

### Condensers (Superslide)

60 mm - 120 mm .....	37227
150 mm - 300 mm .....	37228
Aspherical lens for superslides .....	37226

### Lenses

35 mm/2.8 Elmaron (42.5 dia.) .....	37041
50 mm/2.8 Elmarit-P (42.5 dia.) .....	37011
60 mm/2.8 Elmaron (42.5 dia.) .....	37004
85 mm/2.8 Elmaron (42.5 dia.) .....	37003
90 mm/2.5 Colorplan CF (42.5 dia.) .....	37015
90 mm/2.5 Colorplan (42.5 dia.) .....	37015
120 mm/2.8 Elmarit-P CF (42.5 dia.) .....	37012
120 mm/2.8 Elmaron (42.5 dia.) .....	37022
150 mm/2.8 Elmarit-P (42.5 dia.) .....	37017
150 mm/3.2 (42.5 dia.) .....	37031
150 mm/2.8 Elmarit-P CF (42.5 dia.) .....	37013
200 mm/3.6 Elmaron (42.5 dia.) .....	37009
200 mm/3.6 Elmaron .....	37062
250 mm/4 Elmaron .....	37082
60-110 mm/3.5 Vario-Elmaron (42.5 dia.) .....	37026
110-200 mm/3.5 Vario-Elmaron (42.5 dia.) .....	37027
70-120 mm/3.5 zoom (42.5 dia.) .....	37028

### Accessories

Case—CA 2502 .....	37961
Timer—CA 2502 .....	37981
Remote extension cord (33') .....	37957
Remote control cord .....	37939
Cover (to 120 mm) .....	37982
Line cord .....	37656
2 Projector console .....	37972
Infrared remote control .....	37970
Daylight projection box .....	37963
Projection lamp EHJ (repl.) .....	37723
36 exp. slide tray—2 pack .....	37844
50 exp. slide tray—2 pack .....	37855
60 exp. LKM slide tray—2 pack .....	37979
80 exp. LKM slide tray—2 pack .....	37980

### Dissolve units

DU 24A dissolve control *—For automatic recording and playback of dissolve shows .....	37973
DU 24M dissolve control *—For manual dissolve shows .....	37971

\*For use on CA 2502 with built-in triac or other triac modified Pradovit projectors.

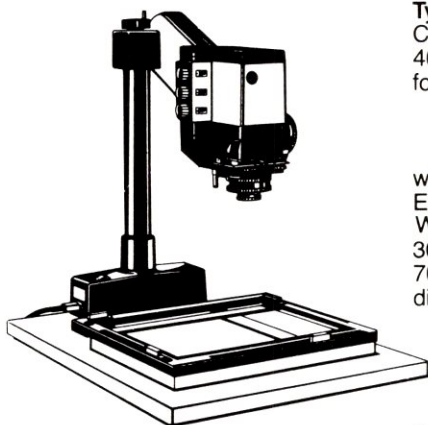
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# FOCOMAT Enlargers

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## FOCOMAT V35 AUTOFOCUS



### Type of instrument:

Compact enlarger for color and black-and-white with automatic focusing and 40 mm WA-FOCOTAR f/2.8 wide angle lens.

for negative formats 24 x 36 mm  
28 x 28 mm,  
13 x 17 mm and  
35 mm transparencies

with 12v/75W tungsten halogen lamp

Extremely large automatic focusing range 3 - 16x with the 40 mm WA-FOCOTAR f/2.8

30% more enlargement and  
70% more picture area (compared with a 50 mm lens), at the same working distance to the baseboard

### Dimensions and weights

Height: 39½"; width: 21¼"; depth: 28"

FOCOMAT V35 AUTOFOCUS: 48 lbs.

Color module: 1½ lbs.

Complete with

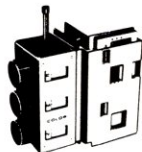
build-in transformer, line cord, 75W 12v tungsten halogen lamp, 24 x 36 mm negative carrier, adjusted lens, interchangeable LEITZ module.

### With 40 mm WA-FOCOTAR f/2.8

Color version—110/250v (with color module) ..... 17411

Multigrade Version—110/250v (with multigrade module) ..... 17412

Black-and-white version—110/250v (with black-and-white module) ..... 17407



Colour module



black-and-white module

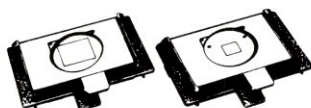
### Modules:

Color module ..... 17428

Black-and-white module ..... 17427

Vario-contrast module ..... 17441

### Negative/Transparency Carriers:



24 x 36 mm negative holder (replacement), one-sided glass pressure ... 17003

28 x 28 mm negative holder ..... 17007

13 x 17 mm negative holder ..... 17424

Glassless 24 x 36 mm negative holder ..... 17009

24 x 36 mm negative holder with two-sided glass pressure ..... 17002



Holder for 35 mm slides in 2" x 2" mounts ..... 17419

Film cups (2) for the enlarging of uncut films ..... 17425

### Accessories



Diffusion disc for integrating exposure measurement. To be swung in front of the lens before measurement.

Diffusion disc ..... 17430

Red filter/swing-out ..... 17440

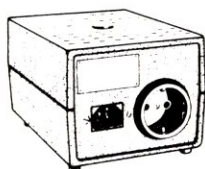
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# FOCOMAT Enlargers

## Voltage Stabilizer



Voltage stabilizer .....	98437
Dust cover for the V35 .....	17429
Replacement lamps: 12v/75w Bulb, Philips Type 13139 .....	98374

## LEITZ FOCOTIMER



Electronically controlled exposure timer with digital display. The long-time range can also be used for the control of developing process.

Focotimer 110v version .....	17432
Foot switch for the Focotimer and Focometer .....	17434

## LEITZ-FOCOMETER QUARTZ



Automatic electronic exposure meter for black-and-white and colour with timer. Electronic light measurement with automatic conversion into the associated exposure time.

Storage and digital display of the calculated exposure time.

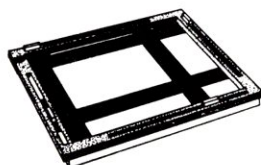
Choice of selective and integrating measurement.

Integrating measurement with the Focomat V35 AF through diffusion disc (Code No. 17430) in front of the lens.

The long-time range can be used for the control of developing process.

Focometer Quartz 110v version .....	17443
Foot switch for the Focotimer and Focometer .....	17434

## Easels



24 x 30cm (10 x 12 in.) universal easel (height 25 mm), 4 adjustable blades, combined in./cm scale .....	17584
30 x 40cm (12 x 16 in.) easel (height 30 mm) with 2 adjustable blades .....	17586
for the English system (inch): 12 x 16 in. masking frame with 2 blades .....	17630

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New Jersey 07647

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