

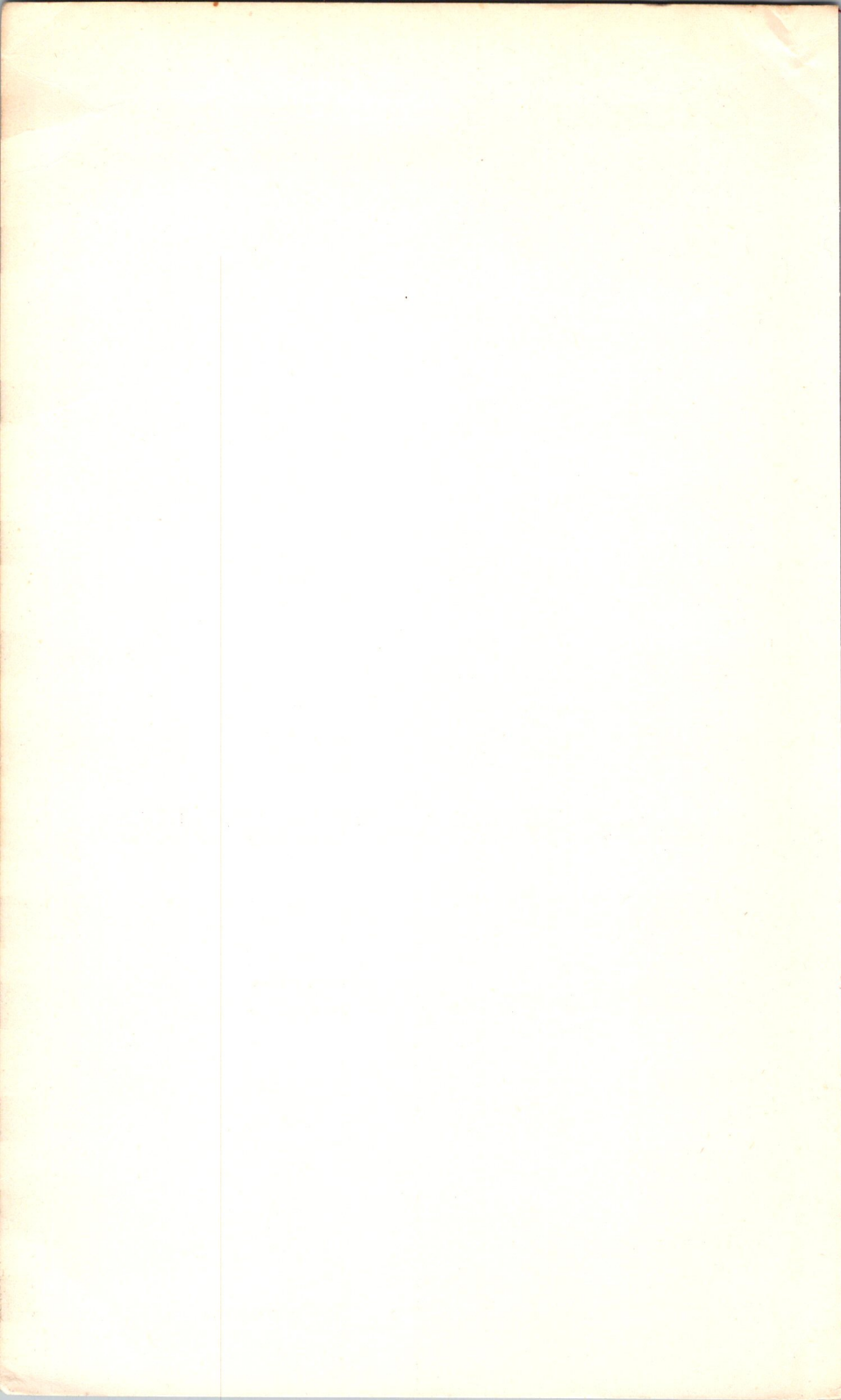


LEITZ

General Catalogue

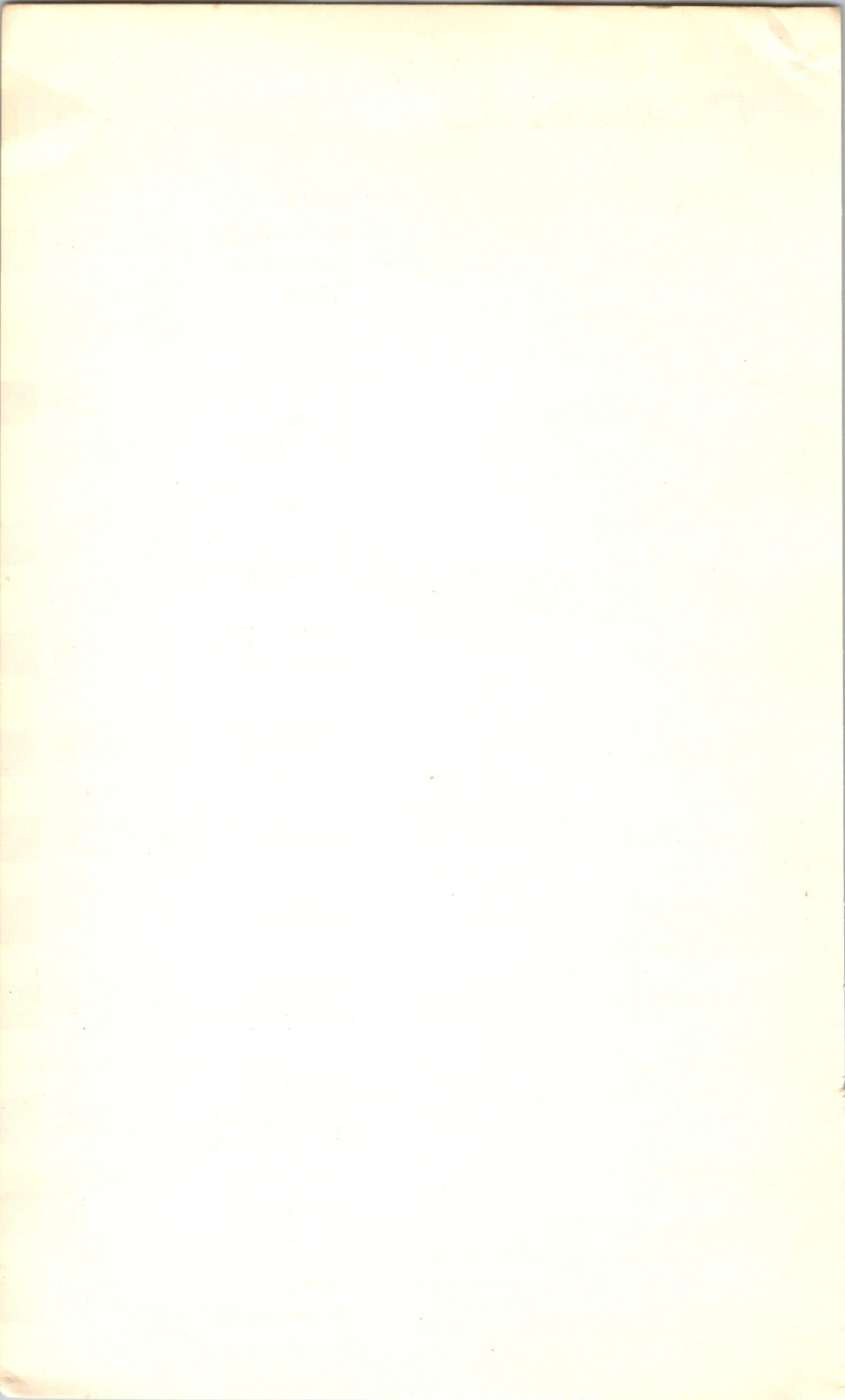
for the

LEICA System



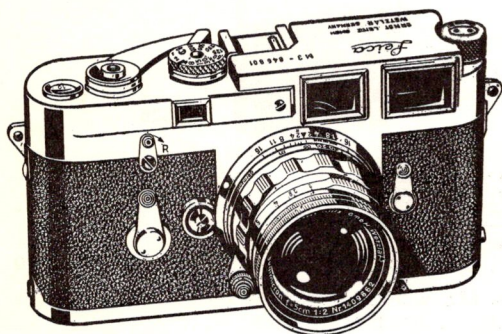
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LEICA and lenses

(F)



3900-11

LEICA M3®

Compact all-metal body with hinged back and carrying eyelets on each side, top- and base plates chromium plated, tripod thread $\frac{1}{4}$ ".

Built-in brilliant-frame view- and rangefinder for pin-sharp focusing of the lens.

Automatically reflected image frames for 35, 50, 90, and 135mm focal lengths (35mm frame obtained by use of lens with viewfinder attachment).

Automatic parallax compensation.

Finder frame selector.

Quick-change bayonet lens mount.

Shutter speed knob engages at each setting, couples with the LEICAMETER MR exposure meter on fitting it in the accessory shoe.

Focal plane shutter with speeds of 1, $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{8}$, $\frac{1}{15}$, $\frac{1}{30}$, $\frac{1}{60}$, $\frac{1}{125}$, $\frac{1}{250}$, $\frac{1}{500}$, $\frac{1}{1000}$ sec. and time exposures of any length.

Adjustable delayed action mechanism (self timer).

Rapid-winding lever with double exposure lock for the transport coupled with the shutter winding mechanism.

Film counter automatically returning to zero on changing films.

Film indicator.

Extending rewind knob.

Accessory shoe for special finders and other devices.

Separate contact bushes for flashbulbs and electronic flash.

Take-up spool.

	Cat. No.		Weight in kg.
LEICA M 3 , as specified, without lens	10 150	1 lb. 5 oz.	0.595
LEICA M 3 , chromium plated, with lens			
ELMAR f/2.8 50mm	10 157	1 lb. 12 ³ / ₄ oz.	0.815
SUMMICRON f/2 50mm	10 180	1 lb. 14 ¹ / ₄ oz.	0.855
SUMMICRON f/2 50mm with near focusing range	10 185	2 lb. 3 ¹ / ₄ oz.	1.000
SUMMILUX f/1.4 50mm	10 167	2 lb. 1 ³ / ₄ oz.	0.955



14 528

5659-12



14 526

5670-12

Ever-ready case for the LEICA M 3 with any lens (without finder attachment) up to 50mm or with the collapsible 90mm ELMAR, 50mm lens with lens hood and with exposure meter in position

14 528 11 oz. 0.310

Ever-ready case for the LEICA M 3 with all lenses up to 50mm* or with the collapsible 90mm ELMAR, 50mm lens with lens hood and exposure meter in position

14 526 12³/₄ oz. 0.360



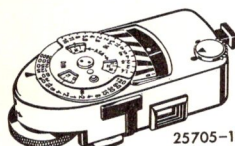
14 627

5536-12

Case for the finder attachment of the SUMMICRON f/2 50mm with near focusing range

14 627 1¹/₂ oz. 0.040

See also p. 38 **Cases and Containers.**



14 210

25705-12

LEICAMETER MR exposure meter

with photo-resistor: 2 measuring ranges,
measuring angle approx. 27°, arresting device
for measuring result, with mercury cell PX 625

14 210 2³/₄ oz. 0.075

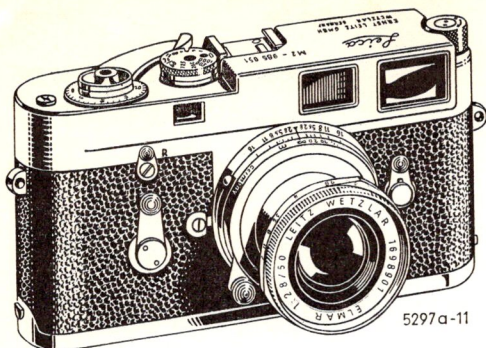
Leather case for same

14 211 1 oz. 0.025

Replacement mercury cell PX 625

14 128 1/8 oz. 0.004

* Case 14627 is recommended for storage of the finder attachment if detached from the SUMMICRON f/2 50mm with near focusing range during use within the 1m-∞ range.



10 335

LEICA M 2

Compact all-metal body with hinged back and carrying eyelets on each side, top- and base plates chromium plated, tripod thread $\frac{1}{4}$ ".

Built-in brilliant-frame view- and rangefinder for pin-sharp focusing of the lens.

Automatically reflected image frames for 35, 50, and 90mm focal lengths. 135mm through ELMARIT f/2.8 135mm with viewfinder attachment.

Automatic parallax compensation.

Finder frame selector.

Quick-change bayonet lens mount.

Shutter speed knob engages at each setting, couples with the LEICAMETER MR exposure meter on fitting it in the accessory shoe.

Focal plane shutter with speeds of 1, $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{8}$, $\frac{1}{15}$, $\frac{1}{30}$, $\frac{1}{60}$, $\frac{1}{125}$, $\frac{1}{250}$, $\frac{1}{500}$, $\frac{1}{1000}$ sec. and time exposures of any length.

Adjustable **delayed action mechanism** (self timer).

Rapid-winding lever with double exposure lock for the transport coupled with the shutter winding mechanism.

Film counter disc.

Film indicator.

Extending rewind knob.

Accessory shoe for special finders and other devices.

Separate contact bushes for flashbulbs and electronic flash.

Take-up spool.

	Cat. No.		Weight in kg.
LEICA M 2 , as specified, without lens	10 308	1 lb. 4½ oz.	0.580
LEICA M 2 , chromium plated, with lens ELMAR f/2.8 50mm	10 335	1 lb. 12¼ oz.	0.800
SUMMICRON f/2 50mm	10 336	1 lb. 13½ oz.	0.840
SUMMICRON f/2 50mm , with near focusing range	10 338	2 lb. 2¾ oz.	0.985
SUMMILUX f/1,4 50mm	10 337	2 lb. 1¼ oz.	0.940



14 528

5659-12

Ever-ready case for the LEICA M 2 with any lens (without finder attachment) up to 50mm or with the collapsible 90mm ELMAR, 50mm lens with lens hood, with exposure meter in position	14 528	11 oz.	0.310
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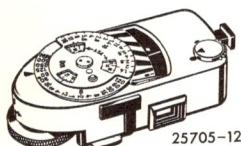


14 627

5536 - 12

Case for the finder attachment of the SUMMI- CRON f/2 50mm with near focusing range . .	14 627	1½ oz.	0.040
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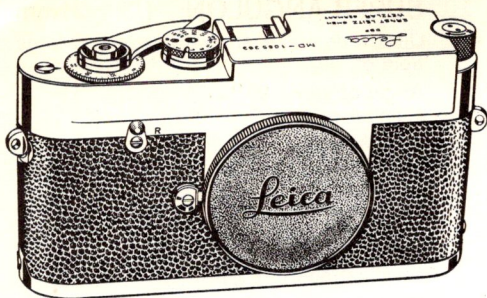
See also p. 38 **Cases, containers.**



14 210

25705-12

LEICAMETER MR exposure meter with photo-resistance: - 2 measuring ranges, measuring angle approx. 27° , arresting device for measuring result, with mercury cell PX 625	14 210	2¾ oz.	0.075
Leather case for same	14 211	1 oz.	0.025
Replacement mercury cell PX 625	14 128	⅛ oz.	0.004



10 101

LEICA MD

Compact all-metal body with hinged back and carrying eyelets on each side, top- and base plates chromium plated, tripod thread $\frac{1}{4}$ ".

Quick-change bayonet lens mount.

Shutter speed knob engages at each setting.

Focal plane shutter with speeds of 1, $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{8}$, $\frac{1}{15}$, $\frac{1}{30}$, $\frac{1}{60}$, $\frac{1}{125}$, $\frac{1}{250}$, $\frac{1}{500}$, $\frac{1}{1000}$ sec. and time exposures of any length.

Rapid-winding lever with double exposure lock for the transport coupled with the shutter winding mechanism.

Film counter disc.

Film indicator.

Extending rewind knob.

Accessory shoe for special finders and other devices.

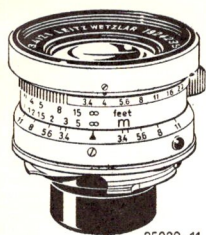
Separate contact bushes for flashbulbs and electronic flash.

Take-up spool.

Film marking device as accessory,

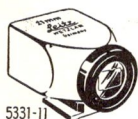
consisting of special base-plate with carrier for marking tapes.

	Cat. No.		Weight in kg.
LEICA MD, as specified,			
without lens	10 101	1 lb. 1 $\frac{3}{4}$ oz.	0.495
Film marking device			
consisting of:			
special base-plate			
(including 10 marking tapes)	14 131	2 oz.	0.055
100 marking tapes	14 132	$\frac{1}{2}$ oz.	0.012



11 103

25020-11



12 002

5331-11

SUPER-ANGULON® f/3.4 21mm

Ultra-wide angle lens with extremely large field of view

Angle of view: 92°

Number of elements: 8

Filter size: VII or E 48

Filters series No. VIII must be inserted in the lens hood

External lens mount diameter: A 52.5

Combined "feet-metre" scale

Click stops (incl. half values)

Smallest aperture f/22

Rangefinder coupling

for LEICA M 2 ∞ - 0.7m (28")

for LEICA M 3 ∞ - 1.0m (40")

Manual focusing down to 40cm (16")

Smallest object field 380 x 570mm

(15" x 23" approx.)

Viewfinder: Brilliant finder

Non-rotating focusing mount

Lens hood

Cat. No.

Weight
in kg.

**SUPER-ANGULON f/3.4 21mm with lens hood
and front and rear covers**

11 103

10½ oz.

0.301

Brilliant viewfinder

12 002

1½ oz.

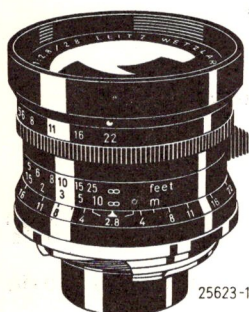
0.040

Leather case for brilliant viewfinder

14 617

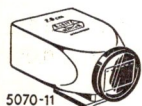
⅜ oz.

0.010



11 801

25623-11



12 007

5070-11

ELMARIT f/2.8 28mm

Wide-angle lens

Angle of view: 76°

Number of elements: 9

Filter size: VII or E 48

Filters series No. VII must be inserted in the lens hood

External lens mount diameter: A 52.5

Combined "feet-metre" scale

Click stops (incl. half values)

Smallest aperture: f/22

Rangefinder coupling

for LEICA M 2 ∞ - 0.7m (28")

for LEICA M 3 ∞ - 1.0m (40")

Manual focusing down to 0.7m (28")

Smallest object field 533 x 800mm

(21.3 x 32")

Viewfinder: Brilliant finder

Non-rotating focusing mount

Black finish

Lens hood with cap

Cat. No.

Weight
in kg.

ELMARIT f/2.8 28mm

with lens hood and cap

11 801

8 oz.

0.225

Brilliant finder

12 007

1¼ oz.

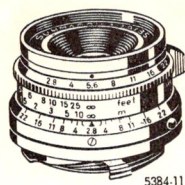
0.036

Leather case for same

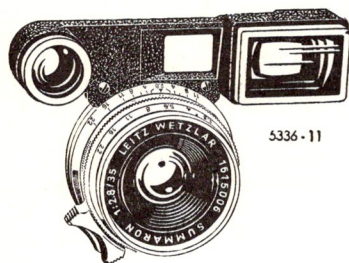
14 617

⅜ oz.

0.010



11 306



11 106

SUMMARON f/2.8 35mm

Wide-angle lens

Angle of view: 64°

Number of elements: 6

Filter size: E 39

External lens mount diameter: A 42

Combined "feet-metre" scale

Click stops

Smallest aperture f/22

Rangefinder coupling

for LEICA M2 $\infty - 0.70\text{m}$ (28")

for LEICA M3 (with finder attachment) $\infty - 0.65\text{m}$ (26")

Smallest object field

M 2: $430 \times 640\text{mm}$ (17"x26" approx.)

M 3: $390 \times 590\text{mm}$ (15 1/2"x23 1/2" appr.)

Viewfinder: Built-in camera finder

Non-rotating focusing mount

Cat. No.

Weight
in kg.

SUMMARON f/2.8 35mm

for LEICA M 2 and M 1, in polystyrene container, with cap

11 306

6 oz. 0.170

for LEICA M 3 with finder attachment, with front and rear covers

11 106

8 oz. 0.220

Leather case I for lens 11 306

14 561

5 1/4 oz. 0.150

Leather case IV for lens 11 106

14 564

8 oz. 0.220

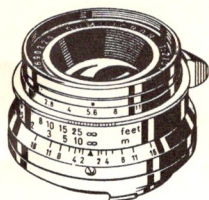


12 585

Lens hood with cut-out sections

12 585

5/8 oz. 0.018



5384-11

11 308

SUMMICRON f/2 35mm

Fast wide-angle lens

Angle of view: 64°

Number of elements: 8

Filter size: E 39

Combined "feet-metre" scale

Click stops

Smallest aperture f/16

Rangefinder coupling:

for LEICA M2: $\infty - 0.7\text{m}$ (28")

for LEICA M3 (with finder attachment)

$\infty - 0.65\text{m}$ (26")

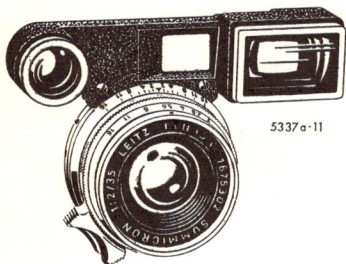
Smallest object field:

M2: 430x640mm (17"x26" approx.)

M3: 390x590mm (15½"x23½" appr.)

Viewfinder: Built-in camera finder

Non-rotating focusing mount



5337a-11

11 108

SUMMICRON f/2 35mm

for LEICA M 2 and M 1, in polystyrene container, with cap

11 308

6 oz. 0.170

for LEICA M 3 with finder attachment, with front and rear covers

11 108

8¾ oz. 0.250

Leather case I for lens 11 308

14 561

5¼ oz. 0.150

Leather case IV for lens 11 108

14 564

8 oz. 0.220



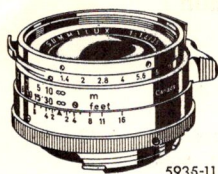
25058-12

12 585

Lens hood with cut-out sections

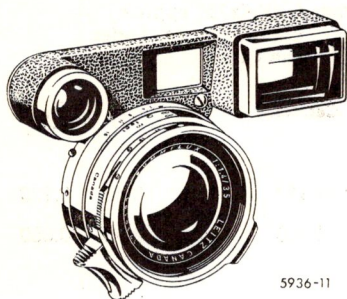
12 585

⅝ oz. 0.018



5935-11

11 870



5936-11

11 871

SUMMILUX® f/1.4 35mm

Ultra-fast wide-angle lens

Angle of view: 64°

Number of elements: 7

Filter size: E 41

External lens mount diameter: A 46.5

Combined "feet-metre" scale

Click stops (incl. half values)

Smallest aperture: f/16

Rangefinder coupling:

for LEICA M2: ∞ - 1m (40")

for LEICA M3: (with finder attachment): ∞ - 0.65m (26")

Smallest object field:

M2: 630x950mm (25"x38") approx.)

M3: 390x590mm (15½"x23½" appr.)

Viewfinder: Built-in camera finder

Non-rotating focusing mount

Lens hood

SUMMILUX f/1.4 35mm

for LEICA M 2 and M 1 with lens hood and covers

Cat. No.

Weight
in kg.

11 870

8¾ oz. 0.245

for LEICA M 3 with finder attachment, lens hood, and covers

11 871

11½ oz. 0.325

Leather case I for lens 11 870

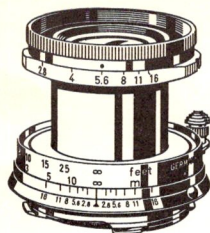
14 561

5¼ oz. 0.150

Leather case IV for lens 11 871

14 564

8 oz. 0.220



25693-11

11 112

ELMAR f/2.8 50mm

Standard lens

Angle of view: 45°

Number of elements: 4

Filter size: E 39

External lens mount diameter: A 42

Combined "feet-metre" scale

Click stops

Smallest aperture: f/16

Rangefinder coupling: ∞ - 1m (40")

Smallest object field:

410x620mm (16 1/2"x25" approx.)

Viewfinder: Built-in camera finder

Collapsible lens barrel

Cat. No.

Weight
in kg.

ELMAR f/2.8 50mm

in polystyrene container with cap 11 112

8 oz. 0.220

Leather case for lens 14 560

2 oz. 0.060

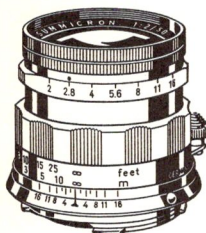


12 585

25058-12

Lens hood with cut-out sections 12 585

5/8 oz. 0.018



25692-11

11 818

SUMMICRON f/2 50mm

Fast universal lens

Angle of view: 45°

Number of elements: 7

Filter size: E 39

External lens mount diameter: A 42

Combined "feet-metre" scale

Click stops

Smallest aperture: f/16

Rangefinder coupling: ∞ - 1m (40")

Smallest object field:

410x620mm (16 1/2"x25" approx.)

Viewfinder: Built-in camera finder

Non-rotating focusing mount

Lens unit unscrews from mount

Cat. No.

Weight
in kg.

SUMMICRON f/2 50mm

in polystyrene container with cap 11 818

9 1/4 oz. 0.260

Leather case I for lens 14 561

5 1/4 oz. 0.150

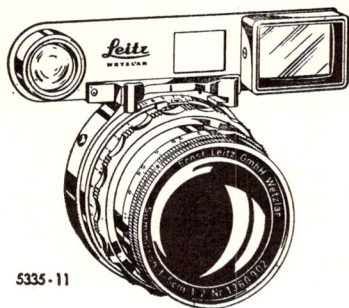


12 585

25058-12

Lens hood with cut-out 12 585

5/8 oz. 0.018



5335-11

11 918

SUMMICRON f/2 50mm with dual helical focusing mount for normal and near focusing range

Fast universal lens
Angle of view: 45°
Number of elements: 7
Filter size: E 39
External lens mount diameter: A 42
Click stops
Smallest aperture: f/16
Rangefinder coupling:
Normal range: $\infty - 1\text{m}$ (40")
Near-focusing range (with finder
attachment) 88-48cm (35-19")
Combined "feet-metre" scale
Smallest object field:
170x260mm (7"x10 1/2" approx.)
Viewfinder: Built-in camera finder
Non-rotating focusing mount
Lens until unscrews from mount

Cat. No.

Weight
in kg.

SUMMICRON f/2 50mm

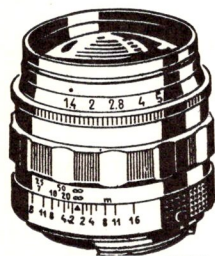
with near-focusing range, with covers . . .	11 918	14 1/2 oz.	0.405
Leather case IV for lens with finder attachment	14 564	8 oz.	0.220
Leather case for finder attachment only . . .	14 627	1 1/2 oz.	0.040



12 585

25058-12

Lens hood with cut-out sections	12 585	5/8 oz.	0.018
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566611

11 114

SUMMILUX f/1.4 50mm

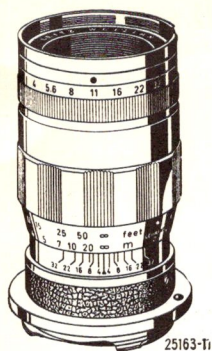
Ultra-fast lens
Angle of view: 45°
Number of elements: 7
Filter size: E 43
External lens mount diameter: A 45
Click stops
Smallest aperture: f/16
Rangefinder coupling: $\infty - 1\text{m}$ (40")
Smallest object field:
410x620mm (16 1/2"x25")
Combined "feet-metre" scale
Viewfinder: Built-in camera finder
Non-rotating focusing mount
Lens hood

Cat. No.

Weight
in kg.

SUMMILUX f/1.4 50mm

in polystyrene container, with lens hood and cover	11 114	12 3/4 oz.	0.360
Leather case for lens	14 566	2 3/4 oz.	0.080
Lens cover	14 036	3/8 oz.	0.010



11 830

ELMAR f/4 90mm

Landscape and portrait lens

Angle of view: 27°

Number of elements: 3

Filter size: E 39

External lens mount diameter: A 42

Click stops (incl. half-values)

Smallest aperture: f/32

Rangefinder coupling: ∞ - 1m (40")

Combined "feet-metre" scale

Smallest object field:

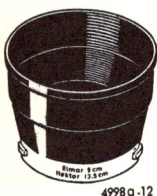
220x330mm (9"x13" approx.)

Lens unit unscrews from mount

Viewfinder: Built-in camera finder

ELMAR f/4 90mm

in polystyrene container with cap 11 830 10³/₄ oz. 0.305



12 575

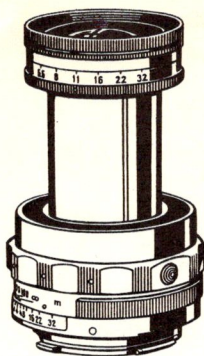
Lens hood 12 575 1½ oz. 0.040



11 128

ELMAR f/4 90mm lens unit only

for use on the VISOFLEX II/III,
focusing bellows 11 128 5 oz. 0.145



5353 - 11

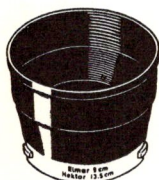
11 131

ELMAR f/4 90mm (collapsible)

Landscape and portrait lens
Angle of view: 27°
Number of elements: 4
Filter size: E 39
External lens mount diameter: A 42
Click stops
Smallest aperture: f/32
Rangefinder coupling: $\infty - 1\text{m}$ (40")
Combined "feet-metre" scale
Smallest object field:
220x330mm (9"x13" approx.)
Viewfinder: Built-in camera finder
Non-rotating focusing mount
Collapsible lens barrel
Lens unit **does** not unscrew

ELMAR f/4 90mm, collapsible

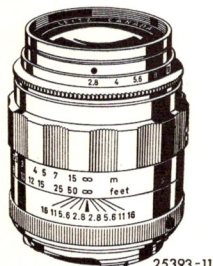
in polystyrene container with cap	11 131	12 1/4 oz.	0.350
Leather case I for lens	14 561	5 3/8 oz.	0.150



12 575

4598a-12

Lens hood	12 575	1 1/2 oz.	0.040
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25393-11

11 800

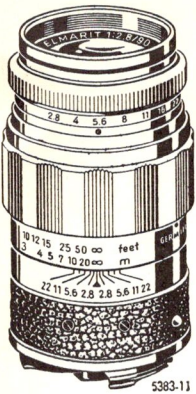
TELE-ELMARIT f/2.8 90mm (Tele-construction)

convenient for press- and
action-photography
Angle of view: 27°
Number of elements: 5
Filter size: E 39
External lens mount diameter: A 42
Click stops (incl. half-values)
Smallest aperture: f/16
Rangefinder coupling: $\infty - 1\text{m}$ (40")
Smallest object field:
220x330mm (9"x13" approx.)
Combined "feet-metre" scale
Non-rotating focusing mount
Viewfinder: Built-in camera finder
Lens unit **does not** unscrew

TELE-ELMARIT f/2.8 90mm

in polystyrene container with cap	11 800	12 1/2 oz.	0.355
Lens hood	12 575	1 1/2 oz.	0.040

Cat. No. Weight
in kg.



11 129

ELMARIT f/2.8 90mm
 for press work and candid action shots
 Angle of view: 27°
 Number of elements: 5
 Filter size: E 39
 External lens mount diameter: A 42
 Smallest aperture: f/22
 Click stops
 Rangefinder coupling: ∞ – 1m (40")
 Smallest object field:
 220x330mm (9"x13" approx.)
 Combined "feet-metre" scale
 Lens unit unscrew from mount
 Viewfinder: Built-in camera finder
 Non-rotating focusing mount

Cat. No.	Weight in kg.
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ELMARIT f/2.8 90mm

in polystyrene container with cap	11 129	11¾ oz.	0.330
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12 575

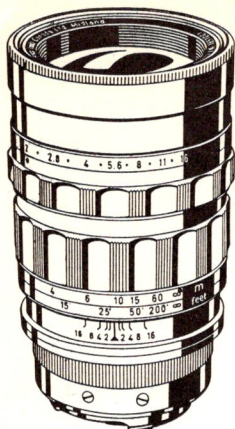
Lens hood	12 575	1½ oz.	0.040
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11 026

ELMARIT f/2.8 90mm
lens unit only

for use on the VISOFLEX II, III, or focusing bellows	11 026	5¼ oz.	0.150
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5311 a-11

SUMMICRON f/2 90mm in long focusing mount

Fast lens for press work

Angle of view: 27°

Number of elements: 6

Filter size: E 48

External lens mount diameter: A 63.7

Click stops (incl. half values)

Smallest aperture: f/22

Combined "feet-metre" scale

Rangefinder coupling: ∞ - 1m (40")

Smallest object field:

220x330mm (9"x13" approx.)

Non-rotating focusing mount

Lens unit unscrews from mount

Viewfinder: Built-in camera finder

Lens hood: built-in, extending

11 123

Cat. No.

Weight
in kg.

SUMMICRON f/2 90mm

in long mount, with covers	11 123	1 lb. 7¼ oz.	0.660
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This model can be supplemented by:

Short focusing mount to convert a rangefinder-coupled lens from No. 1 651 001 onwards for use on the VISOFLEX II, III (also suitable for ELMARIT 135mm)

16 462	4 oz.	0.115
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Leather case III for lens

14 563	7½ oz.	0.210
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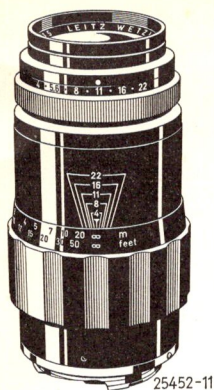
Lens unit only for use on the focusing bellows

11 133	14¼ oz.	0.400
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dto., with preset diaphragm

11 132	15 oz.	0.425
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For SUMMICRON f/2 90mm in short focusing mount see p. 21.



11 851

TELE-ELMAR f/4 135mm

(Tele-construction)

Telephoto lens

Angle of view: 18°

Number of elements: 5

Filter size: E 39

External lens mount diameter: A 42

Click stops (incl. half values)

Smallest aperture: f/22

Rangefinder coupling: $\infty - 1.50$ (60")

Smallest object field:

220x330mm (9"x13" approx.)

Combined "feet-metre" scale

Lens unit unscrews from mount

Viewfinders:

LEICA M3 built-in camera finder

LEICA M1 and M2 brilliant finder

Non-rotating focusing mount

Black finish

Cat. No.

Weight
in kg.

TELE-ELMAR f/4 135mm in long mount

in polystyrene container, with cap	11 851	1 lb. 2 oz.	0.510
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Lens hood	12 575	1 1/2 oz.	0.040
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Brilliant finder (necessary for LEICA M 2)	12 030	1 1/2 oz.	0.040
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Leather case for finder	14 630	1/2 oz.	0.012
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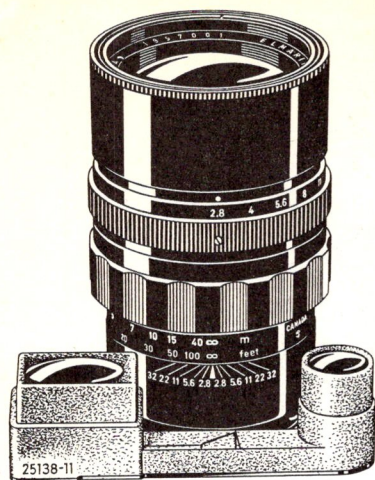
TELE-ELMAR f/4 135mm lens unit only

for use on the focusing bellows and

VISOFLEX II, III	11 852	13 1/2 oz.	0.180
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For short and long mount for the HEKTOR® f/4.5 135mm see p. 35.

For short and long mount for the ELMAR f/4.5 135mm see p. 35.



ELMARIT f/2.8 135mm in long focusing mount with finder attachment

Fast telephoto lens

Angle of view: 18°

Number of elements: 5

Filter size: VII

Adapter ring for filters series VII

External lens mount diameter: A 63.7

Click stops (incl. half values)

Smallest aperture: f/32

Rangefinder coupling: ∞ – 1.5m (60")

Smallest object field:

220x330mm (9"x13" approx.)

Combined "feet-metre" scale

Lens unit unscrew from mount

Viewfinder: LEICA M3 and M2 built-in camera finder

Non-rotating focusing mount

Lens-hood: built-in, extending

Black finish

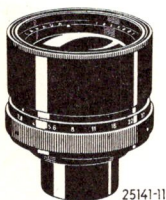
11 829

Cat. No.

Weight
in kg.

ELMARIT f/2.8 135mm in long mount

with covers 11 829 1 lb. 9¾ oz. 0.730



11 828

25141-11

ELMARIT f/2.8 135mm, lens unit only

for use on the focusing bellows 11 828 12¾ oz. 0.360



25685-11

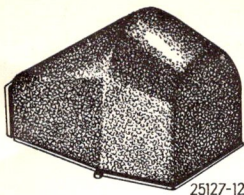
16 462

This version can be extended as follows:

Short mount to convert a rangefinder-coupled lens for use on the VISOFLEX II, III (suitable also for SUMMICRON 90mm) 16 462

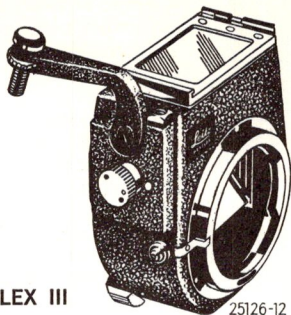
4 oz. 0.115

ELMARIT f/2.8 135mm in short mount see p. 22.



16 499

25127-12



16 497

VISOFLEX III

25126-12

VISOFLEX® III

Reflex housing for lenses of 65mm focal length and over, and Focusing Bellows II. 3 possibilities of varying the mirror movement: -

1. Instant return mirror immediately before camera release (adjustable)
2. Coupled with the lever movement
3. Retention of the mirror in the raised position (for long exposures)

With settings 1 and 2 the mirror returns to its original position after the exposure.

Cable release bush

Right-angle right-way-round 4 x viewing magnifier.

Vertical 5 x magnifier (reversed image) with adjustable eyesight correction from +175 to -2.5 dioptries. The magnifiers can be left in position during the interchange of the camera.

Tripod bush: - $\frac{1}{4}$ ".

Cat. No.

Weight
in kg.

VISOFLEX III

with 4 x magnifier, with covers	16 498	1 lb. 1 oz.	0.480
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VISOFLEX III

without magnifier, with covers	16 497	9½ oz.	0.270
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4 x magnifier (right angle)	16 499	7½ oz.	0.210
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5 x magnifier (vertical)	16 461	3¼ oz.	0.090
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16 461

Replacements for VISOFLEX II

5 x (vertical simple magnifier reversed image)	16 461	3¼ oz.	0.090
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Accessories for VISOFLEX II and III



16 464

5731-12

Universal helical focusing mount 16 464 5³/₄ oz. 0.165

a) for use with **ELMAR f/3.5 65mm** from ∞ to 0.33m (13") = 1:2.5



16 471

5642-12

By using extension ring from 33cm to 27cm (13" to 11" approx.) = 1:1.25 16 471 1¹/₂ oz. 0.040

b) for use with the **ELMARIT f/2.8 90mm lens unit** from ∞ to 0.50m (20") = 1:3.3

By using additional extension ring from 0.50m to 0.39m (20" to 16" approx.) = 1:1.7 . . . 16 471 1¹/₂ oz. 0.040

c) for use with **HEKTOR f/4.5 and ELMAR f/4 135mm lens units** an extension ring is necessary for the range ∞ to 0.96m (38") = 1:5 . 16 472 ³/₄ oz. 0.020

Additional extension ring to cover the range from 0.96m to 0.66m (38" to 26") = 1:5 to 1:2.5 16 471 1¹/₂ oz. 0.040

d) for use with lens unit of **TELE-ELMAR f/4 135mm**** for the range ∞ — 1m (40") = 1:5
Additional extension ring to cover the range 1m — 0.68m (40" — 27") = 1:2.5 16 471 1¹/₂ oz. 0.040



16 467

5523-12

Helical focusing mount for use with the **ELMAR f/4 90mm lens unit*** (range ∞ to 1m) (40") = 1:9 16 467 2³/₄ oz. 0.075



16 468

5552-12

9mm extension ring for above, range 1m to 0.63m (40" to 25") = 1:5 14 468 ¹/₈ oz. 0.003

* When ordering please note:

Lenses above serial number 1 572 401 can be used directly with 16 467.

Lenses No. 697 901 to 1 572 400 require adjustment at the works.

Lenses below No. 697 901 can be used with 16 467 but not up to ∞ .

** The diaphragm on the rear lens mount must be pulled off for this purpose.

The **SUMMICRON f/2 90mm lens and ELMARIT f/2.8 135mm** in short mount can be used directly on the **VISOFLEX II/III** without extension tubes.



5856-12

16 474

Extension ring for SUMMICRON f/2 90mm with short mount (for insertion between lens unit and mount) for range 140 to 61cm (42" to 24" approx.) = 1:4.5

16 474

 $\frac{3}{4}$ oz. 0.020

5553-12

16 466

Extension ring to take the HEKTOR 125mm, ELMAR and HEKTOR 135mm lenses in short mounts, and TELYT 200, 280 and 400mm lenses (normal focusing range)

16 466

 $\frac{3}{4}$ oz. 0.105

5679-12

16 469

Extension ring for 50mm and 35mm lenses *
in the **VISOFLEX II/III**

50mm lenses: -

Subject distance 208mm ($8\frac{1}{4}$ "), reproduction ratio 1:1

Object field 24 x 36mm

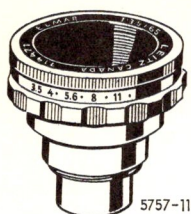
35mm lenses: -

subject distance 144mm ($5\frac{3}{4}$ "), reproduction ratio 1.4:1

Object field 24 x 36mm 16 469

 $2\frac{1}{4}$ oz. 0.062

* A bayonet adapter ring 14 097 is required for lenses in screw mount (see p. 35).



11 062

ELMAR f/3.5 65mm

for use with VISOFLEX II, III

Angle of view: 36°

Number of elements: 4

Filter size: E 41

External lens mount diameter: A 56

Preset diaphragm

Click stops (incl. half values)

Smallest aperture: f/22

For use on VISOFLEX II, III:

with universal focusing mount

for range $\infty - 33\text{cm}$

(13" approx.) = 1:2.5

with extension ring

33-27cm (13"-11") = 1:1.25

Smallest object field: 30 x 45mm

Cat. No.

Weight
in kg.

ELMAR f/3.5 65mm

with built-in lens hood and lens covers . . . 11 062

4 1/2 oz. 0.130



5312-11

11 124

SUMMICRON f/2 90mm

in short focusing mount

for VISOFLEX II, III

High-speed lens for press work

Angle of view: 27°

Number of elements: 6

Filter size: E 48

External lens mount diameter: A 63.7

Click stops (incl. half values)

Smallest aperture: f/22

Combined "feet-metre" scale

Non-rotating focusing mount

Lens unit unscrews from mount

For use on VISOFLEX II, III

from $\infty - 0.76\text{m}$ (30")

Smallest object field:

148 x 222mm (12 1/4" x 9")

Lens hood: Built-in, extending

Cat. No.

Weight
in kg.

SUMMICRON f/2 90mm

in short mount with covers 11 124

1 lb. 3 oz. 0.525

with pre-set stop (upon request) 11 126

1 lb. 4 oz. 0.550

This version can be supplemented as follows:

Long focusing mount with bayonet mount* 14 019

9 1/4 oz. 0.260

for converting a lens in short mount for direct coupling to the rangefinder in the LEICA.

See also p. 18 VISOFLEX III

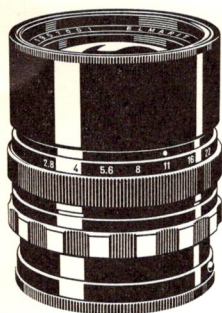
Lens unit only for use on the focusing bellows 11 133

14 1/4 oz. 0.400

dto., with present diaphragm diaphragm . . 11 132

15 oz. 0.425

* Please return lens for adaptation



25683-11

11 827

ELMARIT f/2.8 135mm in short mount for VISOFLEX II, III

High-speed telephoto lens

Angle of view: 18°

Number of members: 5

Filter size: VII

Adapter ring for filter series: VII

External lens mount diameter: A 63.7

Click stops (incl. half values)

Smallest aperture: f/32

Combined "feet-metre" scale

Non-rotating focusing mount

Lens unit can be unscrewed from the mount

Use on the VISOFLEX II and III

from ∞ - 1.55m (5 ft. 2 in.)

Smallest object field:

220 x 330mm (9" x 13" approx.)

Lens hood: attached, extensible

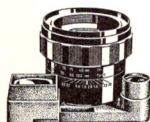
Black finish

Cat. No.

Weight
in kg.

ELMARIT f/2.8 135mm

in short mount with covers	11 827	1 lb. 11 oz.	0.760
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25684-11

14 129

This version can be supplemented as follows:

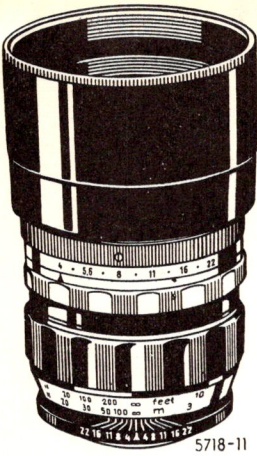
Long mount with bayonet changer* for using
a lens in short mount on the rangefinder-coupled
LEICA

14 129	13 1/4 oz.	0.370
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Lens unit only 11 828

13 oz.	0.360
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* Please return lens for adaptation

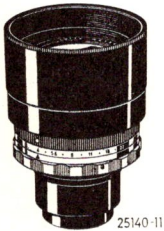


11 063

TELYT® f/4 200mm for VISOFLEX I, II and III

Telephoto lens
 Angle of view: 12°
 Number of elements: 4
 Filter size: E 58
 Preset diaphragm
 External lens mount diameter: A 72
 Click stops (incl. half values)
 Smallest aperture: f/22
 Combined "feet-metre" scale
 Non-rotating focusing mount
 Chromium-plated scale rings
 For use with the VISOFLEX I, II and III
 from ∞ - 3m (10 ft.)
 Smallest object field:
 310 x 460mm (12" x 18")
 Lens hood: Built-in, extending
 Black finish

	Cat. No.		Weight in kg.
TELYT f/4 200mm with covers	11 063	1 lb. 6½ oz.	0.640



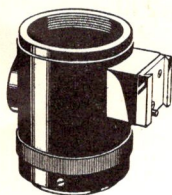
11 069

Lens unit only for use on the focusing bellows	11 069	13¾ oz.	0.390
Leather case with carrying strap for lens with VISOFLEX I, II or III	14 585	2 lb. ½ oz.	0.920



14 020

15mm extension ring for close-up shots	14 020	¾ oz.	0.010
1 Ring 3m to 1.70m (10ft. and 5ft. 7in.), smallest object field 156x234mm (6¼" x 9¾");			
2 Rings 1.70m to 1.30m (5ft. 7in. - 4ft. 3in.), smallest object field 106x159mm (10¼" x 6¾");			
3 Rings 1.30m to 1.13m (4ft. 3in. - 3ft. 8½ in.), smallest object field 80x120mm (3¼" x 4¾").			

**14 024**

5527 - 12

Extension tube for 200mm and 400mm TELYT
for use without VISOFLEX attachment with
special accessory shoe for sports finders, with-
out rangefinder coupling, length 63.5mm (2½")

14 024

5¼ oz. 0.150



4017

12 034

Sports finder for the 200mm TELYT 12 034

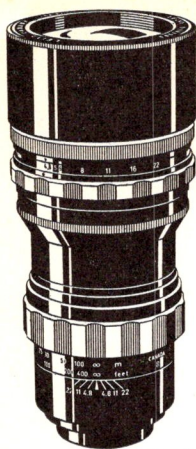
2¾ oz. 0.080

dto. "feet" 12 035

2¾ oz. 0.080

See also p. 18.

VISOFLEX III (extension ring 16 466 required)



TELYT f/4.8 280mm
for VISOFLEX I, II and III

Telephoto lens

Angle of view: 8.5°

Number of elements: 4

Filter size: E 58

External lens mount diameter: A 76

Preset diaphragm

Click stops (incl. half values)

Smallest aperture: f/22

Combined "feet-metre" scale

Non-rotating focusing mount

For use with VISOFLEX I, II, and III

from $\infty - 6\text{m}$ (20 ft.)

Smallest object field

430 x 640mm (17 x 25³/₄")

Lens hood: Built-in, extending

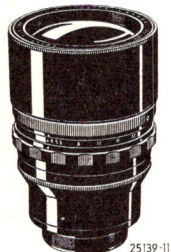
Black finish

11 912

Cat. No.

Weight
in kg.

TELYT f/4.8 280mm with covers	11 912	1 lb. 13 ¹ / ₄ oz.	0.830
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11 901

Lens unit only for use on the focusing bellows	11 901	1 lb. 5½ oz.	0.600
---	--------	--------------	-------

Leather case with carrying strap for lens with VISOFLEX I, II or III	14 585	0.920
---	--------	-------

Adapter ring 15mm for shots from 6 to 3.25m (19'8"-10'8") smallest object field 224x336mm (9"x13 1/2") (with two adapter rings from 3.25m to 2.40m (10'8"-7'10") smallest object field 149x224mm (6"x9")	14 020	4 oz.	0.100
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See also p. 18.

VISO FLEX III (extension ring 16 466 required)

LEICA

Viewfinders

Lens hoods

Filters

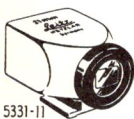
(F)

Cat. No.

Weight
in kg.

Brilliant finders

Right-way-round, brilliant image in natural size.
Reflected luminous image frame.
Parallax correction marks.

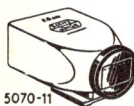


12 002

5331-11

Brilliant finder for 21mm lenses

Image 0.3x natural size	12 002	1 1/2 oz.	0.040
Cowhide case	14 617	3/8 oz.	0.010



12 007

5070-11

Brilliant finder for 28mm lenses

Image 0.5x natural size, with parallax correction marks for distances below approx. 2m (6 1/2 ft.)	12 007	1 1/4 oz.	0.036
Cowhide case	14 617	3/8 oz.	0.010



12 010

4018

Brilliant finder for 35mm lenses

Image 0.7x natural size, with parallax correction marks for distances below approx. 2m (6 1/2 ft.)	12 010	1 1/2 oz.	0.040
Cowhide case	14 620	3/8 oz.	0.010



12 015

Brilliant finder for 50mm lenses

Image field in natural size, parallax correction marks for distances below approx. 2m (6½ ft.)

12 015

¾ oz. 0.020

Cowhide case

14 625

¼ oz. 0.005



12 025

Brilliant finder for 90mm lenses

Image field in natural size, parallax adjustment, and correction marks for reduced field of view below approx. 2m (6½ ft.)

12 025

1½ oz. 0.042

Cowhide case

14 630

⅜ oz. 0.010



12 030

Brilliant finder for 135mm lenses

Image field in natural size, parallax adjustment, and correction marks for reduced field of view below approx. 2m (6½ ft.)

12 030

1½ oz. 0.040

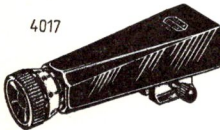
Cowhide case

14 630

⅜ oz. 0.010

Sports finder

with parallax correction, for insertion in the accessory shoe of the VISOFLEX I and of the extension rings (e. g. 14 024).



12 034

Sports finder for the 200mm TELYT

12 034

2¾ oz. 0.080

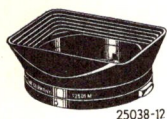
dto. "feet"

12 035

2¾ oz. 0.080

Lens hood

protect the lens against stray light as well as
against rain and snow.

**12 501**

25038-12

Lens hood for the

SUPER-ANGULON f/3.4 21mm

and **ELMARIT f/2.8 28mm** (replacement) . . . 12 501

1 1/4 oz. 0.035

SUMMILUX f/1.4 35mm (replacement) . . . 12 522

2 1/2 oz. 0.070

**12 585**

25058-12

For all 35mm and 50mm lenses

of 42mm external lens mount diameter . . . 12 585

5/8 oz. 0.018

Lens hood cap (replacement) 14 033

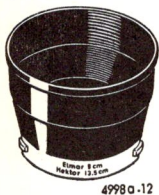
1/4 oz. 0.005

SUMMILUX f/1.4 50mm (replacement) . . . 12 521

1 1/2 oz. 0.040

Lens hood cap (replacement) 14 037

1/4 oz. 0.005

**12 575**

49980-12

ELMAR f/4 90mm

ELMARIT or TELE-ELMARIT f/2.8 90mm

HEKTOR f/4.5 135mm, ELMAR f/4 135mm

and **TELE-ELMAR f/4 135mm,**

external lens mount diameter 42mm 12 575

1 1/2 oz. 0.040

Lens hood cap (replacement) 14 033

1/4 oz. 0.005

	E 39	E 41	E 43	E 48	E 58	E 85	Series Filter VII	Series Filter VIII
Screw-in filters (Filter sizes see p. 32)								
Yellow filter No. 0	13 081	13 155		13 290	13 230	13 291		
Yellow filter No. 1	13 086	13 160	13 161	13 295	13 235	13 296	13 006	13 019
Yellow-green filter	13 096	13 170	13 171	13 305	13 245	13 306	13 007	13 021
Orange filter	13 101	13 175	13 176	13 310	13 250	13 311	13 008	13 017
Red filter (R)	13 116	13 190	13 191	13 315	13 255	13 316		
Infra-red filter (R)	13 126	13 200	13 196	13 325	13 265	13 326		
U. Va. filter (colourless)	13 131	13 205	13 206	13 330	13 270	13 331	13 009	13 018
Blue filter	13 098	13 172	13 173	13 307				
Weight in kg.	0,012 1/2 oz.	0,025 7/8 oz.	0,025 7/8 oz.	0,020 5/8 oz.	0,020 5/8 oz.	0,070 2 1/2 oz.	0,020 5/8 oz.	0,020 5/8 oz.
Polarizing filter	13 352	13 360	13 351					Grey filter 13 016
Weight in kg.	0,025 5/8 oz.	0,025 5/8 oz.	0,025 5/8 oz.					0,010 3/8 oz.
Filter mounts unengraved for special filters (not for polarizing filters)	13 371	13 375	13 384	13 385	13 380	13 389	Adapter (replacement) 14 161	
Weight in kg.	0,012 1/2 oz.	0,012 1/2 oz.	0,012 1/2 oz.	0,012 1/2 oz.	0,012 1/2 oz.	0,012 1/2 oz.	0,003 1/8 oz.	

Filter sizes

Examples: A 36 Slip-on filter, slip-on diameter 36mm
 E 39 Screw-in filter, thread diameter 39mm
 VII Filter series Size VII

Lens		Filter size	
SUPER-ANGULON	f/3.4	21mm	E 48
		or VII	
SUPER-ANGULON	f/4	21mm	E 39
SUMMARON	f/5.6	28mm	A 36
ELMARIT	f/2.8	28mm	E 48
		or VII	
HEKTOR	f/6.3	28mm	A 36
SUMMILUX	f/1.4	35mm	E 41
SUMMICRON	f/2	35mm	E 39
SUMMARON	f/2.8	35mm	E 39
ELMAR	f/3.5	35mm	A 36
SUMMARON	f/3.5	35mm	A 36
(screw thread, below No. 1 423 141)			
SUMMARON	f/3.5	35mm	E 39
(screw thread, above No. 1 423 140)			
SUMMARON (bayonet mount)	f/3.5	35mm	E 39
SUMMILUX	f/1.4	50mm	E 43
SUMMARIT	f/1.5	50mm	E 41
SUMMICRON	f/2	50mm	E 39
SUMMAR®	f/2	50mm	A 36
HEKTOR	f/2.5	50mm	A 36
ELMAR	f/2.8	50mm	E 39
ELMAR (screw thread)	f/3.5	50mm	A 36
ELMAR (bayonet mount)	f/3.5	50mm	E 39
ELMAR	f/3.5	65mm	E 41
SUMMAR®	f/1.5	85mm	E 58
SUMMICRON	f/2	90mm	E 48
ELMARIT	f/2.8	90mm	E 39
TELE-ELMARIT	f/2.8	90mm	E 39
ELMAR	f/4	90mm	A 36
(screw thread, below No. 1 573 001)			
ELMAR	f/4	90mm	E 39
(screw thread, above No. 1 573 000)			
ELMAR (bayonet mount)	f/4	90mm	E 39
HEKTOR	f/2.5	125mm	A 36
ELMAR	f/4.5	135mm	A 36
HEKTOR	f/4.5	135mm	A 36
(screw thread, below No. 1 416 001)			
HEKTOR	f/4.5	135mm	E 39
(screw thread, above No. 1 416 000)			
HEKTOR (bayonet mount)	f/4.5	135mm	E 39
ELMAR	f/4	135mm	E 39
TELE-ELMAR	f/4	135mm	E 39
ELMARIT	f/2.8	135mm	VII
TELYT	f/4	200mm	E 58
TELYT	f/4.5	200mm	E 48
TELYT	f/4.8	280mm	E 58
TELYT	f/5	400mm	E 85

Note: Adapter ring for the use of E 39 filters on
 the A 36 diameter 13 154

LEICA

cable releases, covers, containers

(F)

Releases



14 067

Cable release, length 25cm (10"), with locking screw for LEICA-M 14 067
 dto. for LEICA with screw thread 14 070
 As 14 070, but 50cm (20") long 14 075

Cat. No.

Weight
in kg.

$\frac{3}{8}$ oz. 0.010
 $\frac{3}{8}$ oz. 0.012
 $\frac{3}{4}$ oz. 0.020

Magnifier



16 486

5 x magnifier, vertical, reversed image, for VISOFLEX I 16 486

5 oz. 0.140



16 491

Twin cable release with coupler for the LEICA/VISOFLEX I housing (included in the price of the LEICA/VISOFLEX housing) for LEICA-M 16 491
 dto. for LEICA with screw-thread 16 492

2 oz. 0.065
 2 oz. 0.062

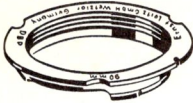


14 088

Adapter for using cable releases with screw-cap fitting on LEICA models with bayonet mount 14 088

$\frac{1}{4}$ oz. 0.005

Bayonet adapter rings for LEITZ lenses with screw mount



14 098

for the LEICA M3

21 - 50mm focal length	14 097	3/8 oz.	0.010
90mm focal length	14 098	3/8 oz.	0.010
135mm focal length and VISOFLEX I housing	14 099	3/8 oz.	0.010

for the LEICA M2, M1 and MD

21mm, 28mm, and 50mm focal length . .	14 097	3/8 oz.	0.010
90mm focal length	14 098	3/8 oz.	0.010
35mm, 135mm focal length and VISOFLEX I housing	14 099	3/8 oz.	0.010

Bayonet adapter ring for **VISOFLEX II** with screw thread for the LEICA M3, M2, M1, MD 14 097, 14 098 or 14 099, with release lever



14 054

Flash socket cover for M3, M2, M1, MD .	14 054	1/25 oz.	0.001
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HEKTOR f/4.5 135mm accessories

Short mount* for use of the lens unit on the VISOFLEX I, II, or III	16 495	2 3/4 oz.	0.080
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Long mount* for the direct use of the lens unit on the camera (with rangefinder coupling) (M-bayonet)	14 018	9 1/2 oz.	0.270
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Long mount with LEICA with screw thread for lenses below No. 1 130 001	14 005	9 1/2 oz.	0.270
for lenses above No. 1 130 001	14 016	9 1/2 oz.	0.270

ELMAR f/4 135mm accessories

Short mount* for use of the lens unit on the VISOFLEX I, II or III	14 071	3 1/4 oz.	0.090
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Long mount* for the direct use of the lens unit on the camera (with rangefinder coupling) (M-bayonet)	14 072	9 1/2 oz.	0.270
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Long mount for the LEICA with screw-thread .	14 073	9 1/2 oz.	0.270
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* Please quote lens No., feet or metre scale when ordering.

Cassettes and spools

5538 - 12



5540 - 12



14 006



14 015

All-metal cassette Model N for all LEICA

models, with container 14 006

1 1/2 oz. 0.040

Container (replacement) 14 010

3/8 oz. 0.010

Spare centre spool 14 015

1/2 oz. 0.012



14 022

5542 - 12

Spare take-up spool (with spring-loaded knob)

for M 3, M 2, M 1, MD, III g, I g 14 022

3/8 oz. 0.010

dto. for all other LEICA models 14 021

3/8 oz. 0.010

Eyesight correction lenses

When ordering please give exact details or the optician's prescription for spectacles for general use. State also whether the lenses are intended for use with the right or the left eye.

Correction lenses for LEICA M models

spherical 14 061

1/25 oz. 0.001

for astigmatism 14 062

1/25 oz. 0.001

Correction lenses for the 4 x magnifier of the VISOFLEX III

spherical 14 118

1/8 oz. 0.002

Correction lenses for all other magnifiers

spherical 14 063

1/25 oz. 0.001

for astigmatism 14 059

1/25 oz. 0.001

Correction lenses for

III g

II c, II f, III b,
III c, III fI - III a
rangefinder, uni-
versal viewfinder

Cat. No.

Cat. No.

Cat. No.

Weight in kg.

**for short- or
long sightedness**

14 064

14 060

14 068

1/25 oz. 0.001

for astigmatism

14 066

14 065

14 069

1/25 oz. 0.001

Ball-and-socket head

Large ball-and-socket head with combined $\frac{3}{8}$ "
and $\frac{1}{4}$ " tripod bush

14 121

9 $\frac{1}{4}$ oz. 0.260**14 031**

5510-12

Lens cap, chromium-plated (replacement)

for SUPER-ANGULON f/3.4 21mm and
ELMARIT f/2.8 28mm (black plastic) (A 52.5)

14 102

 $\frac{1}{4}$ oz. 0.005

for lens mount diameter 36mm (A 36)

14 025

 $\frac{1}{4}$ oz. 0.007

for SUMMITAR (A 41)

14 030

 $\frac{3}{8}$ oz. 0.010

for lens mount diameter 42mm (A 42)

14 031

 $\frac{1}{2}$ oz. 0.012

for lens mount diameter 42mm (black) (A 42)

14 122

 $\frac{1}{2}$ oz. 0.012

for SUMMILUX 35mm (plastic) (A 46.5)

14 078

 $\frac{1}{4}$ oz. 0.005

for SUMMARIT 50mm (A 43)

14 035

 $\frac{3}{8}$ oz. 0.010

for SUMMILUX 50mm* (A 45)

14 036

 $\frac{1}{4}$ oz. 0.005

for ELMAR 65mm (A 56)

14 034

 $\frac{1}{4}$ oz. 0.005

for SUMMICRON 90mm (A 63.7)

14 028

 $\frac{3}{8}$ oz. 0.009

for ELMARIT 135mm and SUMMICRON 90mm
(black) (A 63.7)

14 124

 $\frac{3}{8}$ oz. 0.009

for TELYT f/4.5 200mm (black)

14 045

 $\frac{1}{4}$ oz. 0.005

for TELYT f/4 200mm (black) (A 72)

14 044

 $\frac{5}{8}$ oz. 0.016

for TELYT f/4.8 280mm (black) (A 76)

14 079

 $\frac{1}{2}$ oz. 0.012

for TELYT f/5 400mm (black) (A 98)

14 046

1 $\frac{1}{4}$ oz. 0.035**Rear covers for lenses****14 050**

4030

**14 051**

5529-12

Rear cover for the SUPER-ANGULON and
ELMARIT 28mm with bayonet (plastic)

14 042

 $\frac{3}{8}$ oz. 0.010

Large rear cover for the HEKTOR 125mm lens
(replacement)

14 053

2 oz. 0.060

Rear cover for all other lenses

with bayonet mount (plastic)

14 051

 $\frac{3}{8}$ oz. 0.010

with screw thread

14 050

 $\frac{1}{2}$ oz. 0.015

Rear cover for ELMAR 65mm (plastic) (A 35)

14 074

 $\frac{1}{4}$ oz. 0.005**14 056**

5514-12

Protective caps

for LEICA-M bodies

14 056

 $\frac{1}{2}$ oz. 0.015

dto. for cameras ask screw-mount

14 055

 $\frac{1}{8}$ oz. 0.025

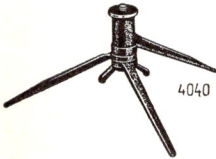
* not included with the lens.



5362-12

14 108**LEICAVIT MP rapid winder**for LEICA M1, MD and M2 with $\frac{3}{8}$ " tripod

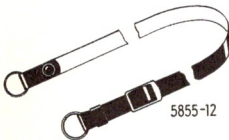
bush 14 108

5 $\frac{3}{4}$ oz. 0.165dto. with $\frac{1}{4}$ " tripod bush 14 0085 $\frac{3}{4}$ oz. 0.165

4040

14 100**Small table tripod with folding legs, $\frac{1}{4}$ " tripod**

bush 14 100

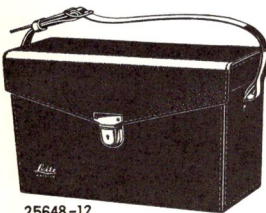
6 $\frac{1}{4}$ oz. 0.175

5855-12

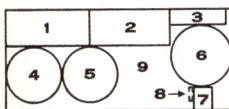
14 092**Neck strap, adjustable, with spring rings for all**

LEICA models 14 092

1 oz. 0.030

Neck strap for heavy equipment,tripod thread $\frac{1}{4}$ " 14 1305 $\frac{1}{4}$ oz. 0.150**Holdall combination case III with Insert III**

25648-12

14 815**a) Insert I**

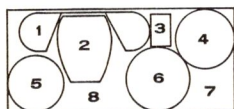
25644-12

14 817**Compartment****Contents**

- 1 LEICA-M body
- 2 LEICA-M with LEICAMETER and 35mm or 50mm lens or TELE-ELMARIT 90mm, lens hood and covers

Compartment	Contents	Cat. No.	Weight in kg.
3	Three filter containers 14 612		
4	lens f/4 135mm with lens hood and covers		
5	21mm or 28mm lens with lens hood and covers		
6	lens f/2 90mm or f/2.8 135mm coupled with a 35mm lens without lens hood with cover, or lens f/4 90mm or f/2.8 90mm coupled with 35mm or 50mm lens with lens hood and cover		
7	finder attachment for lens f/2 50mm		
8	21mm or 28mm viewfinder		
9	other accessories		
	Outfit I complete	14 807	3 lb. 3½ oz. 1.455

b) insert II



14 818

25645-12

Compartment	Contents		
1	LEICA-M with VISOFLEX II or III with angle magnifier and helical mount 16 464 or 16 467 or ring 16 466		
2	helical mount 16 464 or 16 466 or 16 467		
3	LEICAMETER		
4	lens f/2 90mm or f/3.5 65mm with covers		
5	lens f/4 135mm or f/4 90mm or f/2.8 90mm with lens hood and covers		
6	200mm or 280mm lens with covers		
7	one adapter ring 16 471 and 16 472 each		
8	other accessories		
	Outfit II complete	14 808	3 lb. 3½ oz. 1.455
	Insert of Outfit I only	14 817	1 lb. 0.455
	Insert of Outfit II only	14 818	1 lb. 0.455
	Holdall combination case III housing only	14 815	2 lb. 3½ oz. 1.000

Amateur case



14 820

25728-12

accepting

1 LEICA M model with LEICAMETER and 1 lens of focal length up to 50mm in position

A choice of 2 additional lenses: -

- a) 1 90mm lens and 1 lens up to 50mm (except 21mm) coupled with intermediate coupling ring or
- b) 1 f/4 or f/4.5 135mm lens and 1 28 or 35mm lens, coupled with intermediate coupling ring.

All lenses with lens hoods, space for 3 filters
A 36 or E 39 or E 41, 3 films

14 820

0.770

Ever-ready cases



5659-12

14 528

Ever-ready case for LEICA-M models with all lenses (without finder attachment) up to 50mm focal length or with the collapsible ELMAR 90mm with lens hood (50mm lens with lens hood), with fitted exposure meter, 1/4" tripod bush

14 528

11 oz. 0.310



567012

14 526

Ever-ready case for LEICA M models with all lenses up to 50mm focal length* or collapsible ELMAR 90mm with lens hood (50mm lens with lens hood), with fitted exposure meter, 1/4" tripod bush

14 526

12³/₄ oz. 0.360

5536-12

14 627

Case for the finder attachment of the SUMMICRON f/2 50mm with near focusing range

14 627

11¹/₂ oz. 0.040

Ever-ready case for LEICA M2 or M1 with LEICAVIT MP rapid winder, otherwise as 14 528, 1/4" tripod bush

14 531

10 oz. 0.280

* Case 14 627 is recommended for the detached finder attachment of the SUMMICRON f/2 50mm with ∞ -1m (40") near-focusing range.

Leather cases for lenses**14 561**

6183-12

Leather case I with tensioned latch and bayonet lock for the lens

taking one of the following lenses with bayonet mount (with lens hood, without finder attachment): - SUMMARON f/5.6 28mm, SUMMILUX f/1.4 35mm, SUMMICRON f/2 35mm, SUMMARON f/2.8 35mm, SUMMARON f/3.5 35mm, SUMMILUX f/1.4 50mm, SUMMICRON f/2 50mm, ELMAR f/2.8 50mm, ELMAR f/3.5 50mm or collapsible ELMAR f/4 90mm . . . 14 561

5¼ oz. 0.150



14 564

6181-12

Leather case IV with tensioned latch and bayonet lock for the lens

taking one of the following lenses in bayonet mount (with finder attachment and lens hood):

SUMMILUX f/1.4 35mm, SUMMICRON f/2 35mm, SUMMARON f/2.8 35mm, SUMMARON f/3.5 35mm or SUMMARON f/2 50mm . . .

14 564

7³/₄ oz. 0.220

Leather case for VISOFLEX housing II or III with 1 lens HEKTOR f/2.5 125mm, HEKTOR f/4.5 135mm, ELMAR f/4 135mm, TELYT 200mm or TELYT 280mm

14 585

2 lb. 1/2 oz. 0.920

Non-slip pad for shoulder strap (please state width of strap)

14 094

7/8 oz. 0.025

Leather cases for viewfinders



14 625

4055

Leather case for the

Brilliant finder for 21mm and 28mm focal lengths 14 617

3/8 oz. 0.010

Brilliant finder for 35mm focal length 14 620

3/4 oz. 0.020

Brilliant finder for 50mm focal length 14 625

7/8 oz. 0.025

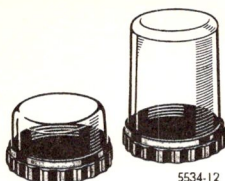
Brilliant finder for 90mm and 135mm focal lengths 14 630

1/2 oz. 0.015

Leather case for the finder attachment for the SUMMICRON f/2 50mm with near focusing range

14 627

1 1/2 oz. 0.045

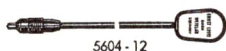
Polystyrene containers (replacement)

5534-12

for SUPER-ANGULON f/4 21mm	14 603	2 ³ / ₄ oz.	0.080
for 35mm lenses (except lenses with finder attachment)	14 595	1 ³ / ₄ oz.	0.050
for all 50mm lenses (except near-focusing SUMMICRON and SUMMILUX)	14 601	2 oz.	0.055
for SUMMILUX 50mm, ELMAR 90mm collapsible, TELE-ELMARIT 90mm	14 606	2 oz.	0.060
for ELMAR 90mm and ELMARIT 90mm	14 607	2 oz.	0.060
for HEKTOR f/4.5 135mm and ELMAR f/4 135mm and TELE-ELMARIT f/4 135mm	14 611	3 ³ / ₄ oz.	0.105

Transparent plastic container (replacement)

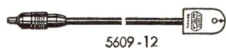
for Filter Series VI and E 39, E 41, and E 43	14 612	3/8 oz.	0.010
dto. for filters E 48, E 58, Filter Series VII and VIII	14 614	3/8 oz.	0.010

Flash cable

5604-12

15 524

for LEICA-M models, with coaxial plug	15 524	3/8 oz.	0.010
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5609-12

15 523

with flash plug for LEICA models up to IIIg and coaxial plug for connection to other flash guns (including electronic flash units)	15 523	3/4 oz.	0.020
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LEICA

near-focusing and copying devices

(F)

Cat. No.

Weight
in kg.



16 507

Optical Near Focusing Device for the LEICA M3 and M2

with 50mm lenses: – ELMAR f/3.5 bayonet mount, ELMAR f/2.8, SUMMICRON f/2 for close-ups from 88 to 48cm (35" to 19"), i. e. reductions from 1:15 to 1:7.5 16 507 4¼ oz. 0.120



16 508

Bayonet mount, necessary for the SUMMICRON lens unit unscrewed from its mount . 16 508 ½ oz. 0.012

Approximately the same reductions are obtained with 90mm lenses at 1m (40"), and with 135mm lenses at 1.5m (60")



Copying Gauge for quarto, octavo, and post-card size consisting of 3 extension collars and 4 extending legs

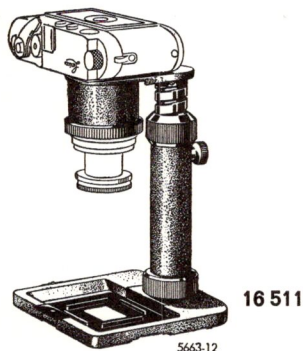
for LEICA-M models

with 50mm lenses: – ELMAR f/3.5 bayonet mount, ELMAR f/2.8, SUMMICRON f/2 . 16 526

1 lb. 10 oz. 0.740

Bayonet mount for the SUMMICRON lens unit unscrewed from its mount 16 508

1/2 oz. 0.012



Copying Gauge for reproduction scales

- 1 : 1 Object size 24 x 36mm
- 1 : 1,5 Object size 36 x 54mm
- 1 : 2 Object size 48 x 72mm
- 1 : 3 Object size 72 x 180mm

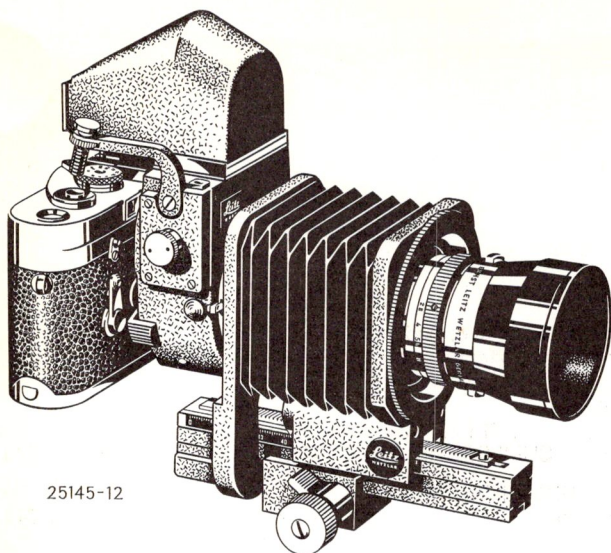
Suitable for all LEICA models with 50mm lenses.

Suitable also for the copying of glass- and cardboard-mounted transparencies, positive and negative film strips.

Copying Gauge consisting of

base with adjustable column, magnifier, 4 extension tubes and 3 masks for fields 24x36mm, 36x54mm, 48x72mm 16 511

1 lb. 3 3/4 oz. 0.840



25145-12

Focusing Bellows II

Variable extension for continuous focusing in conjunction with the VISOFLEX II or III mirror reflex attachment.

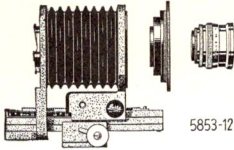
Permits **photographs within the range $\infty - 1:1$** with the lens unit of the ELMAR, ELMARIT 90mm and ELMAR 65mm.

Additional adjustment for the reproduction of a given scale.

Interchangeable upright and horizontal format.

$\frac{3}{8}$ " and $\frac{1}{4}$ " tripod bushes.

Large bellows lens hood with variable extension.



Focusing Bellows II, outfit for ELMAR 65mm and lens unit of the ELMAR or ELMARIT 90mm ($\infty - 1 : 1$) 16 556 1 lb. 3 $\frac{3}{4}$ oz. 0.560

Large extending bellows lens hood for 42mm front lens mount diameter (E 39) 16 557 6 $\frac{1}{2}$ oz. 0.185

Adapter ring for the use of the bellows lens hood with lenses of 36mm front mount diameter (A 36) 13 154 $\frac{1}{2}$ oz. 0.015

Accessories for lenses: -

Lens unit of ELMAR and HEKTOR 135mm ($\infty - 1 : 1.4$)
adapter ring 16 472 $\frac{3}{4}$ oz. 0.020



16 596

Lenses with bayonet mount

50mm focal length (1.4 : 1 - 3.2 : 1)
35mm focal length (2.1 : 1 - 4.7 : 1)
adapter ring 16 596 1 $\frac{3}{4}$ oz. 0.049

Lenses with screw thread

50mm focal length (1.1 : 1 - 3 : 1)
35mm focal length (1.7 : 1 - 4.3 : 1)
adapter ring 16 590 $\frac{3}{4}$ oz. 0.022



17 672

SUMMICRON 50mm lens unit (1.4 : 1 - 3.2 : 1)
adapter ring 16 590 $\frac{3}{4}$ oz. 0.022

+ adapter ring 17 672 $\frac{1}{2}$ oz. 0.012



16 598

SUMMICRON 90mm lens unit (1 : 25 - 1 : 1)

TELYT f/4 200mm lens unit ($\infty - 1 : 3$)

ELMARIT 135mm lens unit (1 : 17 - 1 : 1.25)
adapter ring 16 598 1 oz. 0.028



16 572

HEKTOR 125mm lens unit ($\infty - 1 : 1.6$)

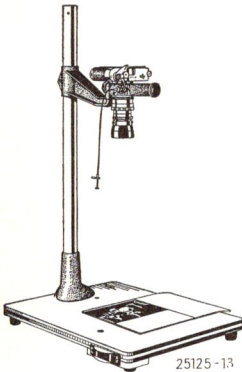
adapter ring 16 572

 $\frac{5}{8}$ oz. 0.018TELE-ELMAR 135mm ($\infty - 1 : 1.3$),ELMAR and ELMARIT 90mm ($\infty - 1 : 1$)

lens units as well as ELMAR f/3.5 65mm

($\infty - 1.6 : 1$) (as replacement)

adapter ring 16 558

 $\frac{1}{2}$ oz. 0.015**Copying stand**

for the attachment of

VISOFLEX II with or without focusing
bellows IIVISOFLEX III with or without focusing
bellows II

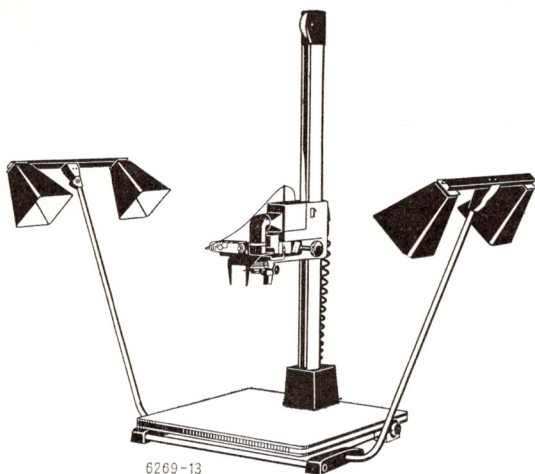
consisting of:

Base board with column sleeve and column
(of FOCOMAT Ic) 17 619

16 lb. 12 oz. 7.600

Carrying arm for same 17 624

1 lb. 2 $\frac{1}{2}$ oz. 0.530



REPROVIT® II a

Universal copying outfit for reproducing flat originals and three-dimensional objects.

Self-locking vertical movement of counter-balanced carrying arm, coarse and fine adjustment, straight guide and built-in projection device (150W, 220V projection lamp with pin socket, such as Osram No. 58.8295 Socket G 17 Q).

Special focusing stage with bellows and rack and pinion movement for lens focusing. Anti-reflexion screens.

Continuous setting of the reproduction scale from reductions of about 1:18 (approx. 420 x 594mm, 17 x 24") to same-size reproduction. Rapid changeover from large fields to close-up. The range can be extended by rotating the column.

Rapid and accurate focusing of flat originals with the aid of a focusing mark projected on to the original to be copied. The illuminated field is identical with the image field in the camera. Focusing of three-dimensional objects by means of the focusing magnifier.

Exposure lock prevents camera release if the focusing stage has not been set correctly.

Automatic changeover of projection device and four-lamp lighting unit.

Even illumination by four-lamp lighting unit. (100W, internally frosted lamps), anti-reflection cloths.

Automatic opening and closing of the lens diaphragm by operating the changing slide.

Built-in magnetic camera release for actuating the camera shutter controlled by a timer.

Exposure timer.

REPROVIT II a

67 x 68cm (27 x 27" approx.) base board, mains cable, column with guide rail and counter-balance, carrying arm with built-in projection device, coarse and fine adjustment and magnetic release, exposure timer.

Special focusing stage with scale, adjustable for reproduction scales from 1:19 to 1:1. Extension of range by rotating the column. Designed for fitting a LEICA with bayonet mount. Forked lever and lens diaphragm lever for automatic stopping down of the FOCOTAR 50mm lens.

FOCOTAR f/4.5 50mm lens.

Four-lamp illumination.

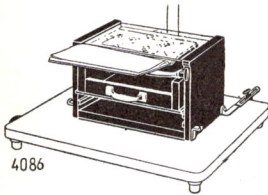
Basic REPROVIT II a outfit, complete for use with LEICA models with bayonet mount . . .

16 788

95 lb. 10³/₄ oz. 43.400

as above, for 110 V a.c.

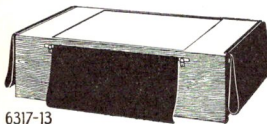
16 789

95 lb. 10³/₄ oz. 43.400**Accessories for REPROVIT II and II a****16 761**

Framing box to hold books, charts, drawings, etc. flat for perfect and rapid copying; for originals up to 29.7 x 42cm (11¹/₂ x 16¹/₂") . . .

16 761

29 lb. 13 oz. 13.150

**16 763**

Light box (for copying transparent originals such as radiographs, negatives, and transparencies), including glass plate (for holding films flat), with anti-reflex cloths, for sizes up to 40 x 44cm (16 x 18" approx.) (220 V) with Philips TL 20/32 Warmton de luxe neon tubes), without mains cable

16 763

19 lb. 10 oz. 8.900

Mains cable, 2m (6¹/₂ ft.) with switch socket and safety plug, for light box

16 797

10¹/₂ oz. 0.300

Object stage for the reproduction of transparencies and photographs in the macro range .

16 786

1 lb. 0.450



16 780

Cat. No.

Weight
in kg.

REPRO-SUMMAR f/4.5 24mm with special
mounting ring for magnifications up to 4x (with
3 extension rings 16 615 up to 7x) 16 780

2 oz. 0.060



16 615

REPRO extension tube (26mm long)
(2 REPRO extension tubes used with the
FOCOTAR 50mm lens permit focusing within
the range 1:1 to 2:1) 16 615

1/2 oz. 0.015



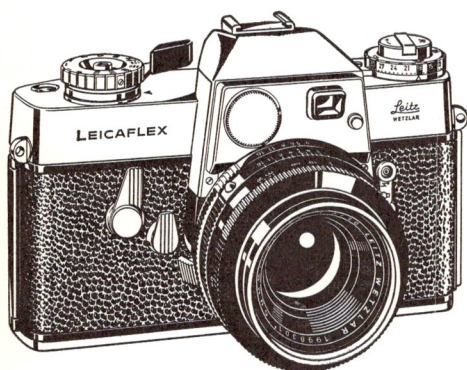
16 486

Vertical 5x magnifier (reversed and inverted
image) 16 486

5 oz. 0.140

LEICAFLEX and lenses

(F)



10 218

LEICAFLEX®

Single-lens reflex camera with pentaprism

Brilliant viewfinder image; viewing screen with central focusing spot

Built-in CdS exposure meter, image of pointer and follow-pointer in the viewfinder.
Lens diaphragm, shutter speed and **film speed selector 8-6500 ASA** coupled.

Film indicator.

Automatic frame counter.

Focal plane shutter with speeds of 1, $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{8}$, $\frac{1}{15}$, $\frac{1}{30}$, $\frac{1}{60}$, $\frac{1}{125}$, $\frac{1}{250}$, $\frac{1}{500}$, $\frac{1}{1000}$, $\frac{1}{2000}$ sec. and B.

Electronic flash synchronization down to $\frac{1}{100}$ sec.

Rapid winding lever for film transport and shutter.

Preselector lever for mirror movement.

Self-timer.

Hinged back.

Folding rewind crank.

Separate contact bushes for electronic flash and flash bulbs.

Bayonet changing mount for the lenses.

Accessory shoe, mercury cell.

Tripod bush $\frac{1}{4}$ ".

	Cat. No.		Weight in kg.
LEICAFLEX as described without lens	10 001	1 lb. 14 oz.	0.850
LEICAFLEX with lens SUMMICRON-R f/2 50mm	10 218	2 lb. 10 oz.	1.185



14 555

25569-12

Ever-ready case for LEICAFLEX with 35mm or 50mm lens with lens hood . . .	14 555	12 oz.	0.350
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25618-11

11 803

SUPER-ANGULON-R f/3.4 21mm

Ultra-wide-angle lens with
extremely large field of view
Angle of view: 92°
Number of elements: 8
Filter size: VIII
(Series VIII filters must be
insoted in the lens hood)
Combined "feet-metre" scale
Click stops (incl. half values)
Smallest aperture: f/22
Focusing range: $\infty - 0.20\text{m}$ (8")
Smallest object field:
148 x 221mm (6 x 8³/₄" appr.)
Viewfinder: Brilliant finder
Black finish
Lens hood with lens cap

	Cat. No.		Weight in kg.
SUPER-ANGULON-R f/3.4 21mm with lens hood and covers	11 803	8 oz.	0.228



5331-11

12 002

Brilliant finder	12 002	1 1/2 oz.	0.040
Leather case for brilliant finder	14 617	3/8 oz.	0.010



25564-11

11 101

ELMARIT-R f/2.8 35mm

Wide-angle lens

Angle of view: 64°

Number of elements: 7

Filter size: VI

Adapter ring for series VI filters

External lens mount diameter: A 47

Combined "feet-metre" scale

Preset click stops (incl. half values)

Fully automatic springback diaphragm

Focusing range: $\infty - 0.30\text{m}$ (12")

Smallest object field:

140 x 210mm ($5\frac{3}{4} \times 8\frac{1}{2}$ " approx.)

Non-rotating focusing mount

Lens hood with lens cap

Cat. No.

Weight
in kg.

ELMARIT-R f/2.8 35mm

with lens hood, in container, with cap . . .

11 101

15 oz. 0.410



25565-11

11 218

SUMMICRON-R f/2 50mm

Fast universal lens

Angle of view: 45°

Number of elements: 6

Filter size: VI

Adapter ring for series VI filters

External lens mount diameter: A 47

Combined "feet-metre" scale

Fully automatic springback diaphragm

Preset click stops (incl. half values)

Smallest aperture: f/16

Focusing range: $\infty - 0.50\text{m}$ (20")

Smallest object field:

180 x 270mm ($7\frac{1}{4} \times 10\frac{3}{4}$ " approx.)

Non-rotating focusing mount

Lens hood with lens cap

Cat. No.

Weight
in kg.

SUMMICRON-R f/2 50mm

with lens cap, in container, with cap

11 218

12 oz. 0.340



25566-11

11 229

ELMARIT-R f/2.8 90mm

Medium long focal length

Angle of view: 27°

Number of elements: 5

Filter size: VII

Adapter ring for series VII filters

External lens mount diameter: A 65

Combined "feet-metre" scale

Fully automatic springback diaphragm

Preset click stops (incl. half values)

Smallest aperture: f/22

Focusing range: ∞ - 0.70m (28")

Smallest object field:

140 x 210mm (5³/₄ x 8¹/₄")

Non-rotating focusing mount

Built-in extending lens hood

Cat. No.

Weight
in kg.

ELMARIT-R f/2.8 90mm

with lens cap, in container	11 229	1 lb. 2 oz.	0.515
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25567-11

11 111

ELMARIT-R f/2.8 135mm

Telephoto lens

Angle of view: 18°

Number of elements: 5

Filter size: VII

Adapter ring for series VII filters

External lens mount diameter: A 65

Combined "feet-metre" scale

Fully automatic springback diaphragm

Preset click stops (incl. half values)

Smallest aperture: f/22

Focusing range: ∞ - 1.50m (5 ft.)

Smallest object field:

220 x 330mm (9³/₄ x 13¹/₄")

Non-rotating focusing mount

Built-in extending lens hood

Cat. No.

Weight
in kg.

ELMARIT-R f/2.8 135mm

with lens cap, in container	11 111	1 lb. 7 oz.	0.655
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LEICAFLEX

accessories

(F)

	Cat. No.		Weight in kg.
Cable release , length 25cm (10"), with locking screw	14 067	3/8 oz.	0.010
Spherical correction lens	14 118	1/14 oz.	0.002
Please give precise data or optician's prescription for distant-vision glasses when ordering, stating whether for right or left eye			
Flash socket cover (replacement)	15 526	1/23 oz.	0.001
Flash cable with click-in co-axial plug and knife-blade contact	15 525	3/4 oz.	0.020
Mallory cell PX 625 (with white ring), replacement	14 128	1/7 oz.	0.004
Protective cap for camera body R-bayonet	14 103	1/2 oz.	0.015
Adjustable neck strap	14 092	1 oz.	0.030
Neck strap for heavy equipment 1/4" tripod thread	14 130	5 1/4 oz.	0.150

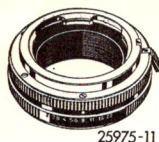
Close-up lenses



16 531

25570-12

ELPRO VI a for the 50mm lens	16 531	1 3/4 oz.	0.047
50 - 31cm (20 - 12.4") (object-film)			
41 - 21cm (16.4 - 8.4") (object-front lens)			
ELPRO VI b for the 50mm lens	16 532	1 3/4 oz.	0.047
30 - 24cm (12 - 9.6") (object-film)			
21 - 14cm (8.4 - 5.6") (object-front lens)			
ELPRO VII a for the 90mm lens	16 533	2 oz.	0.055
74 - 44cm (29.4 - 17.6") (object-film)			
61 - 30cm (24.4 - 12") (object-front lens)			
ELPRO VII b for the 135mm lens	16 534	2 oz.	0.055
150 - 85cm (60 - 34") (object-film)			
135 - 68cm (54 - 27.2") (object-front lens)			
ELPRO VII a for the 135mm lens	16 533	2 oz.	0.055
76 - 59cm (30.4 - 23.6") (object-film)			
61 - 52cm (24.4 - 16.8") (object-front lens)			
Leather case for a close-up lens	14 553	1 oz.	0.024



14 127

Cat. No.

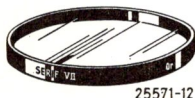
Weight
in kg.

Adapter with diaphragm simulator for
VISOFLEX II/III lenses

14 127

4 1/2 oz. 0.125

Series Filters



13 006

VI for 35 and 50mm lenses

Yellow	13 013	3/4 oz.	0.020
Yellow-green	13 014	3/4 oz.	0.020
Orange	13 011	3/4 oz.	0.020
UV absorbing	13 012	3/4 oz.	0.020
Polarizing	13 358	3/4 oz.	0.020
Adapter (Replacement) .	14 160	1/14 oz.	0.002

VII for 90 and 135mm lenses

Yellow	13 006	3/4 oz.	0.020
Yellow-green	13 007	3/4 oz.	0.020
Orange	13 008	3/4 oz.	0.020
UV absorbing	13 009	3/4 oz.	0.020
Polarizing	13 359	1 1/4 oz.	0.033
Adapter (Replacement) .	14 161	1/14 oz.	0.002

VIII for 21mm lenses

Yellow	13 019	3/4 oz.	0.020
Yellow-green	13 021	3/4 oz.	0.020
Orange	13 017	3/4 oz.	0.020
UV absorbing	13 018	3/4 oz.	0.020

Rear cover R-bayonet for 21mm lenses

3/4 oz. 0.018

Rear cover for all other lenses

3/8 oz. 0.010

Lens hood cover

for 35 and 50mm lenses (as replacement)

1/4 oz. 0.008

for 21mm lenses (as replacement)

1/2 oz. 0.015

Lens cap for 90 and 135mm lenses

(as replacement)

3/8 oz. 0.010

Lens hood for 21mm lens (as replacement)

1 oz. 0.025

Lens hood for 35 and 50mm lenses

(as replacement)

1 oz. 0.025

Containers

Lens container for 35 and 50mm lenses

3 oz. 0.080

Lens container for 90mm lenses

4 oz. 0.100

Lens container for 135mm lenses

4 oz. 0.100

Filter container for series VI filters (replacement)

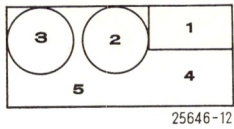
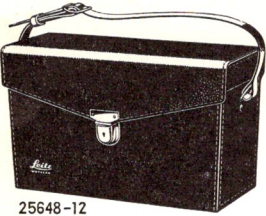
3/8 oz. 0.010

Filter container for series VII, VIII, and Polfilters

VI and VII (replacement)

3/8 oz. 0.010

Holdall combination case III with insert III



Cat. No.

Weight
in kg.

Compartment	Contents
1	LEICAFLEX with 35mm or 50mm lens with lens hood and cover
2	180mm lens with covers or 135mm lens coupled with 50mm lens with lens hood and covers
3	90mm lens coupled with 35mm or 50mm lens with lens hood and covers
4	Four close-up lenses with leather cases
5	other accessories

Outfit III complete	14 809	3 lb. 3 1/2 oz.	1.455
Insert III only	14 819	1 lb.	0.455



Amateur case for the LEICAFLEX, accepting

1	LEICAFLEX body with 90mm lens
1	50mm lens
1	135mm lens coupled with 35mm lens (all lenses with lens hood and cap)
2	filter containers

14 822	1 lb. 14 oz.	0.855
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In preparation:

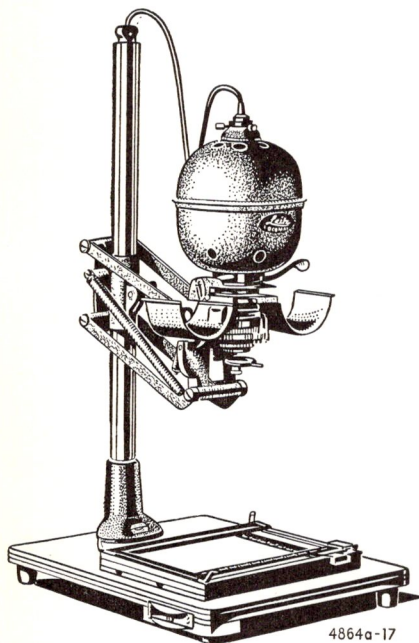
ELMARIT-R f/2.8 180mm

Focusing Bellows

Copying Stand

Enlargers

(V)



FOCOMAT 1c

Automatic focusing enlarger.

Automatic focusing range from 2 to 10 diameters; with manual focusing up to approx. 17 diameters (with the enlarger column rotated through 180° up to 30 diameters), down to same-size copying with the aid of 2 REPRO extension rings.

Solid 40x52cm (16x20½") base board with clamping lever system for the masking frame; extra large 56x64cm (22x25") base board to order.

80cm (32") column, 4cm diameter; 120cm (47") column available on request.

Balancing tension spring permits **effortless adjustment of the enlarging ratio.**

The enlarging ratio can be read off a scale at the side.

Lever raises and lowers the enlarger head (releasing the spring-loaded lever locks the head in any position).

Well ventilated lamp house with detachable top and centring lamp holder for 150 W opal or 250 W enlarger lamps.

Lever raises the condenser lens.

Pressure plate with specially treated surface available to eliminate Newton's Rings.

Film trays on both sides.

Interchangeable film guides from 8x11mm to 4x4cm.

Screw lens mount takes 50mm LEICA lenses with screw mount or the 50mm FOCOTAR. Adapter rings for LEICA lenses with bayonet mount.

The enlarger takes **single-film carriers, a tilting unit, and a copying dark slide.**

Swing-out red filter for checking the image with the enlarging paper in position available on request.

Enlarger convertible for copying.

	Cat. No.	Weight in kg.
FOCOMAT Ic with 40 x 52cm (16 x 20½") base board with locking lever system for the masking frame. Toggle switch and mains cable with plug; 80cm (32") column, 4cm diameter; lamp house with 150 W lamp and hinged negative stage; vertically adjustable condenser lens; negative stage with film trays on both sides and film guide for the 24 x 36mm format; screw thread for a 50mm LEICA lens or the special 50mm FOCOTAR enlarging lens. Ready for use, without masking frame	17 601	27½ lb. 12.450



Special FOCOTAR f/4.5 50mm enlarging lens with click stops	17 581	5¼ lb. 0.150
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Red filter in swing-out mount	17 641	¾ oz. 0.010
FOCOMAT Ic complete	17 605	27¾ lb. 12.610

FOCOMAT Ic as 17 601, with large 56 x 64cm (22 x 25") base board and 120cm (47") column	17 625	35¼ lb. 16.000
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FOCOMAT Ic-Color

Automatic focusing enlarger equipped for colour enlargements from colour negatives. Outfit as for FOCOMAT Ic.

- Additional features:**
- Filter drawer with raising device** for the special 7 x 7cm (2¾ x 2¾") filters.
 - Internally illuminated enlargement indicator** and socket on base board for connecting an exposure timer.

FOCOMAT I c-Color as specified under 17 601,
with filter drawer for 7x7cm (2³/₄ x 2³/₄"")
special filters, with illuminated enlargement
indicator on the base board. Ready for use;
without masking frame

17 602

29 lb. 14 oz. 13.550



17 581

4110

FOCOTAR f/4.5 50mm enlarging lens, with
click stops

17 581

5¹/₄ oz. 0.150

Red filter in swing-out mount, for black-and-
white enlargements

17 641

³/₈ oz. 0.010

FOCOMAT I c-Color, complete

17 603

30 lb. 3¹/₂ oz. 13.710

FOCOMAT I c-Color as 17 602, with 1.2m (47")
column and large base board 56x64cm (22x25")

17 626

37 lb. 14³/₄ oz. 17.200

4131

17 701

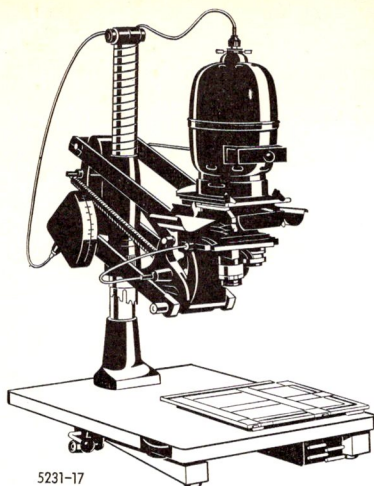
Light trap for the colour head

17 701

¹/₂ oz. 0.015

See also p. 72 **Accessories for enlargers**

See also p. 52 **FOCOMAT I c** as copying stand



5231-17

FOCOMAT II c

Automatic focusing enlarger for negatives up to 6 x 9cm ($2\frac{1}{2} \times 3\frac{1}{2}$ "').

Automatic focusing range approx. 2 to 11 diameters with the FOCOTAR f/4.5 60mm lens; approx. 1.4 to 5.7 diameters with the V-ELMAR f/4.5 100mm.

Manual focusing range down to same-size copying and reductions to 1:2.5; maximum enlargement 16 diameters with the FOCOTAR 60mm and 8.6 diameters with the V-ELMAR 100mm by raising the lamp house on the column.

FOCOTAR f/4.5 60mm and V-ELMAR f/4.5 100mm special enlarging lenses in sliding lens turret; with coupled change-over of the automatic focusing system during lens change.

Non-warping 54 x 67.5cm ($21\frac{1}{2} \times 27$ ") base board with clamping lever system for the masking frame.

80cm (32") column, 6cm diameter, with provision for convenient raising and lowering of the whole enlarger head assembly.

Height compensating ring for masking frames of several thicknesses.

Balancing tension spring permits effortless adjustment of the enlarging ratio.

The enlarging ratio can be read off a scale on the left.

Handle raises and lowers the enlarger head.

Locking knob fixes the enlarger head in any position.

Well ventilated lamp house with detachable top and centring lamp holder for 150 W or 250 W enlarger lamps.

Filter drawer with filter raising device for 12 x 12cm ($4\frac{3}{4} \times 4\frac{3}{4}$ "') correction filters for colour enlargements (available on request).

Internally illuminated enlargement indicator for colour enlargements (available on request).

Negative carrier with glass plates (top plate treated to eliminate Newton's Rings) for negative sizes from 24 x 24mm to 6 x 9cm ($2\frac{1}{2} \times 3\frac{1}{2}$ "'); interchangeable with special film carrier.

Tilting unit (available on request).

Film trays on both sides.

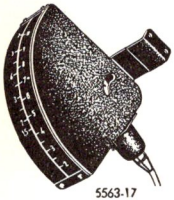
Storage box for negative masks.

Swing-out red filter for checking the image with the enlarging paper in position (available on request).

Enlarger convertible for copying.

FOCOMAT II c with 54x67.5cm (21¼ x 27") base board; 80cm (32") column, 6cm diameter, parallelogram arm system, lamp house, double condenser, FOCOTAR f/4.5 60mm and V-ELMAR f/4.5 100mm special enlarging lenses on sliding lens turret with coupled change-over of the automatic focusing system; 24x36mm and 6x6cm (2¼ x 2¼") negative masks (other negative masks see p. 74); 150 W lamp. Ready for use, without masking frame

17 860 82 lb. 14¼ oz. 37.600



17 862

5563-17

Internally illuminated enlargement indicator 17 862 3 lb. 6¾ oz. 1.550



17 864

5557-17

Filter drawer for 12x12cm (4¾ x 4¾") correction filters

17 864 7 oz. 0.200

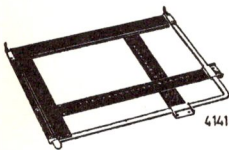
FOCOMAT II c-Color, complete 17 870 86¾ lb. 39.350

Swing-out red filter for direct focusing of the image on the light-sensitive enlarging paper with black-and-white enlargements

17 875 1 oz. 0.030

Light-trap for filter drawer slot 17 802

Masking frames



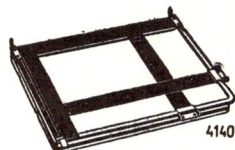
17 587

4141



17 595

4142



17 596

4140

18x24cm amateur masking frame, all metal with adjustable masking strips (unsuitable for FOCOMAT II c) including spacing ring 17 687

17 587 4 lb. 7¼ oz. 2.020

On request grooved wooden base (for clamping and for tilting unit)

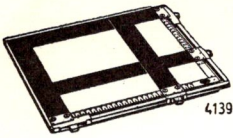
17 595 2 lb. 3¼ oz. 1.000

18x24cm masking frame complete 17 596 6 lb. 10½ oz. 3.020

Spacing rings on request

Height 3mm, diameter 50mm 17 688

Height 3mm, diameter 40mm 17 687

**17 588**

18 x 24cm professional all-metal masking frame with four adjustable masking strips for margins of 3mm minimum width

17 588

6 lb. 9½ oz. 2.990

30 x 40cm masking frame, with adjustable masking strips, and spacing ring for the enlarger column to compensate the greater thickness of the frame

17 586

14½ lb. 6.600

(Please state the diameter of the LEITZ enlarger column).

With inch scale:

8 x 10" masking frame 17 585

4 lb. 13½ oz. 2.200

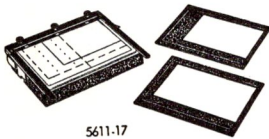
8 x 10" all-metal masking frame 17 594

6 lb. 9¾ oz. 3.000

12 x 16" masking frame 17 630

14½ lb. 6.600

(Please state the diameter of the LEITZ enlarger column).

**17 598**

Masking frame for borderless enlargements, for all LEITZ enlargers, for sizes up to 10.5 x 14.8cm (4⅞ x 7⅞") . .

17 598

3 lb. 6¾ oz. 1.550

Masks for above for enlargements with 3mm margin for the following paper formats:

7.4 x 10.5cm (2⅞ x 4⅞") 17 570

2 oz. 0.060

9 x 9 cm (3½ x 3½") 17 571

2¼ oz. 0.065

9 x 12 cm (3½ x 4¾") 17 568

2 oz. 0.060

9 x 13 cm (3½ x 5⅞") 17 569

1¾ oz. 0.050

9 x 14 cm (3½ x 5½") 17 567

1¾ oz. 0.050

10.5 x 14.8cm (4⅞ x 5⅞") 17 566

1½ oz. 0.045

Accessories for FOCOMAT 1c



Cat. No.

Weight
in kg.

Film guides

also for the VALOY® II, FOCOMAT Ia

8 x 11mm	17 514	2 oz.	0.060
12 x 17mm	17 517	2 oz.	0.060
18 x 24mm	17 516	2 oz.	0.060
24 x 24mm	17 521	1 3/4 oz.	0.050
28 x 28mm	17 642	1 3/4 oz.	0.050
24 x 36mm (replacement)	17 526	1 3/4 oz.	0.050
3 x 4cm (1 1/8 x 1 5/8")	17 531	2 1/2 oz.	0.070
4 x 4cm (1 5/8 x 1 5/8")			
cuts corners by approx. 3mm (1/8")	17 536	2 1/2 oz.	0.070

Single-negative carrier

also slet for the FOCOMAT Ia and I,
and VALOY II and I

Double glass plate 3.5x12cm (1 3/8 x 4 3/4") . . .	17 545	1/2 oz.	0.015
Masks for same			
24 x 24mm	17 541	1 3/4 oz.	0.050
24 x 36mm	17 540	1 3/4 oz.	0.050
Double glass plate 5x16cm (2 x 6 3/8") . . .	17 565	2 oz.	0.060
Masks for same			
3 x 4cm (1 1/8 x 1 5/8")	17 555	2 oz.	0.060
4 x 4cm (1 5/8 x 1 5/8")	17 560	1 3/4 oz.	0.050

Intermediate ring

suitable also for VALOY II

for the use of the 50mm SUMMICRON lens
unit

17 672 1 3/8 oz. 0.038

Intermediate ring for the use of the 50mm
ELMAR and SUMMICRON lenses, collapsible
with changing bayonet

17 671 1 3/8 oz. 0.038



5581-17

17 652

Anti-Newton disc

with 3mm spacing ring for Type N condenser 17 652

1 1/2 oz. 0.045

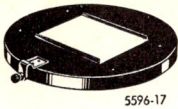
Type N condenser (replacement) 17 639

7 oz. 0.200

Accessories for increasing the enlarging range of the VALOY I and II and the FOCOMAT I, and 1c

Extension ring REPRO (2 rings = 1:1) . . . 16 615

3/8 oz. 0.010



17 775

Accessories for the AGFA colour head
suitable also for the FOCOMAT Ia

Adapter	17 775	3½ oz.	0.100
Extra condenser lens	17 779	3¼ oz.	0.090
Internally illuminated enlargement indicator	17 774	1 lb. 3½ oz.	0.550



17 780

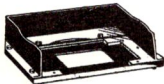
For I c-Color

suitable also for Ia Color

Adapter	17 775	3½ oz.	0.100
Extra condenser lens	17 780	3¼ oz.	0.090

For use with the AGFA VARIOMAT frame

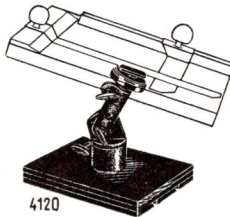
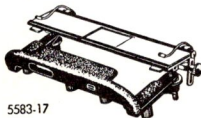
40mm spacing ring	17 631	¾ oz.	0.010
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17 670

Copying accessories also for the FOCOMAT Ia, VALOY II

Copying dark slide for individual film frames and 5x5cm (2x2") lantern plates	17 670	9½ oz.	0.270
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17 655



17 661



17 660

Tilting unit also for FOCOMAT Ia, VALOY II

Tilting frame for negative carrier	17 640	5¼ oz.	0.150
Negative carrier	17 645	2¾ oz.	0.080
Tilting head with base board	17 650	2 lb. 12 oz.	1.250
Complete tilting unit	17 655	3 lb. 4 oz.	1.480

If no 50mm FOCOTAR lens is available for correcting verticals, the following adapter rings are required:

With a screw-mount ELMAR f/3.5 50mm . .	17 660	1 oz.	0.030
With a bayonet-mount ELMAR f/3.5 50mm and ELMAR f/2.8 50mm	17 661	1 oz.	0.030

Dimmer switch

To prolong the life of the 250 W enlarger lamp we recommend:

Dimmer switch for focusing at reduced voltage, exposure at full mains voltage, suitable for 110/220 V a.c. (please state voltage when ordering)

17 697 4 lb. 13½ oz. 2.200

For colour enlargements we recommend the use of the automatic voltage stabilizer KH 13, manufactured and supplied by

Zaehlerwerkstaetten K. Biesinger
6935 Hirschhorn am Neckar (Germany).

Exposure Timer

A special exposure timer is required when the dimmer switch and voltage stabilizer is used 17 804

Accessories for FOCOMAT IIc

Negative masks for format

12 x 17 mm	17 897	1 oz.	0.030
18 x 24 mm	17 899	1 oz.	0.030
24 x 24 mm	17 887	1 oz.	0.030
28 x 28 mm	17 898	1 oz.	0.030
24 x 36 mm (replacement)	17 888	1 oz.	0.030
3 x 4 cm (1⅝ x 1⅝")	17 889	1 oz.	0.030
4 x 4 cm (1⅝ x 1⅝")	17 890	1 oz.	0.030
4.5 x 6 cm (1¾ x 2¼")	17 891	1 oz.	0.030
4 x 6.5cm (1⅝ x 2½")	17 892	1 oz.	0.030
6 x 6 cm (2¼ x 2¼") (replacement) . .	17 893	1 oz.	0.030



17 710

Accessories for single negatives

Insert for the double glass plate and additional spring catch for the helical focusing mount .

17 712 11½ oz. 0.330

10x22cm (4x8¾") double glass plate for same

17 710 6½ oz. 0.185

Electron micrographs

Effective format 62x65mm (2.5x2.6")

Insert with larger cut-out for the double glass plate, and additional spring catch for the helical focusing mount

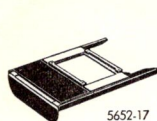
17 716 10¾ oz. 0.300

10x22cm (4x8¾") double glass plate for same

17 710 6½ oz. 0.185

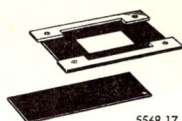
62x65mm (2.5x2.6") negative mask for same .

17 803 1 oz. 0.030



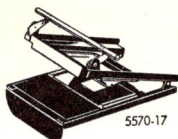
5652-17

17 869



5568-17

17 882



5570-17

17 876

Glass negative carrier for

6.5x9cm (2½ x 3½") and 7x7cm (2¾ x 2¾") plates	17 869	14¾ oz.	0.420
Adapter for 6 x 6cm (2¼ x 2¼") plates	17 881	2 oz.	0.060
Adapter for 5 x 5cm (2 x 2") plates	17 882	2 oz.	0.060

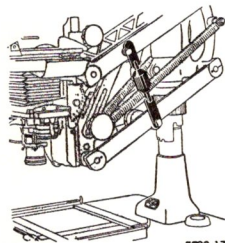
Film pressure frame with single glass pressure plate (specially treated) for 24x36mm negatives	17 876	1 lb. 9¾ oz.	0.730
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Replacement glass plates

Specially treated pressure plate, replacement for 17 876	17 874	¾ oz.	0.020
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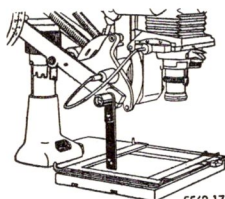
Replacement glass plates for the film pressure frame which forms part of the basic enlarger outfit:

a) top pressure plate (specially treated)	17 871	¾ oz.	0.020
b) bottom pressure plate	17 872	2½ oz.	0.070



5580-17

17 861



5562-17



5578-17

16 617

Increasing the enlarging range

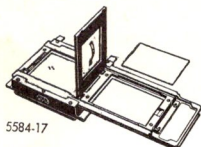
Supplementary setting gauge for same-size reproduction and reductions (without 16 617 and 16 615)	17 861	12¼ oz.	0.350
Extension tube for same for the FOCOTAR 60mm for reductions to 1:2.5, i.e. from 6x9cm (2½ x 3½") to 24x36mm format	16 617	½ oz.	0.015
Extension tube for same for the V-ELMAR 100mm for same-size copying	16 615	¾ oz.	0.010

Accessories for the AGFA colour head

Adapter	17 775	3½ oz.	0.100
Internally illuminated enlargement indicator, included in IIc color	17 862	3 lb. 6¾ oz.	1.550
(please state if for IIc with 95mm FOCOTAR)			

For the use of the AGFA VARIOMAT

Adapter ring, 60mm diameter	17 633	4 oz.	0.110
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**17 880****Copying**

Copying dark slide for 6 x 9cm ($2\frac{1}{2} \times 3\frac{1}{2}$ ")
plates and sheet films and 7 x 7cm ($2\frac{3}{4} \times 2\frac{3}{4}$ ")
plates, including light shield

17 880 1 lb. 10½ oz. 0.750

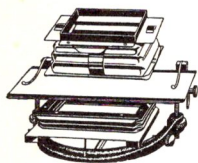
Adapters for same:

for 5 x 5cm (2 x 2") lantern plates

17 882 2 oz. 0.060

for 6 x 6cm ($2\frac{1}{2} \times 2\frac{1}{2}$ ") lantern plates

17 881 2 oz. 0.060



5561-17

Tilting unit

Tilting frame for negative carrier with extension
bellows, negative carrier (specially treated),
tilting head and base board

Complete tilting unit 17 885 2 lb. 11½ oz. 1.230

Dimmer switch

To prolong the life of the 250 V enlarger lamp
we recommend:

Dimmer switch for focusing at reduced voltage,
exposure at full mains voltage, suitable
for 110/220 v a.c. (please state voltage when
ordering)

17 697 4 lb. 13½ oz. 2.200

For colour enlargements we recommend the
automatic voltage stabilizer KH 13, manufactured
and supplied by:

Zaehlerwerkstaetten K. Biesinger
6935 Hirschhorn am Neckar (Germany).

Exposure timer

A special exposure timer is required when the
dimmer switch and voltage stabilizer is used 17 804

Accessories for all other enlargers

Film guides

for the FOCOMATOR® I and II

12 x 17mm	17 757	4 oz.	0.110
18 x 24mm	17 758	3½ oz.	0.095
24 x 24mm	17 534	3½ oz.	0.095
28 x 28mm	17 759	3¼ oz.	0.090
24 x 36mm (replacement)	17 533	3¼ oz.	0.090

Single-negative holders for the FOCOMATOR

24 x 24mm	17 538	2 oz.	0.060
24 x 36mm (replacement)	17 537	2½ oz.	0.070

for the FOCOMAT IIa and IIa-Color

Double glass plate 10 x 22cm (4 x 8¾") . . .	17 710	6½ oz.	0.185
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Replacement glass plates for the FOCOMAT II a:

for the film pressure frame which forms part
of the basic enlarger outfit

a) top pressure plate (specially treated) also for the film pressure frame 24 x 36mm . . .	17 713	2 oz.	0.060
b) top pressure plate (standard)	17 866	2½ oz.	0.070
c) bottom pressure plate	17 867	¾ oz.	0.020

Anti-Newton condenser for VALOY II . . .	17 507	1½ oz.	0.045
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Increasing the enlarging range of the FOCOMAT II a

- 1) With FOCOTAR 95mm
Enlargements outside the automatic focusing
range from approx. 1:4 diameters to 1:1
and beyond 6 diameters to infinity.
- 2) With FOCOMAT 50mm
 - a) Enlargements outside the automatic
focusing range from approx. 2 diameters
to 1:1 and above 13 diameters to approx.
20 diameters
 - b) Reductions from 1:1 to 1:3

17 863	1¾ oz.	0.050
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Accessories for the AGFA colour head

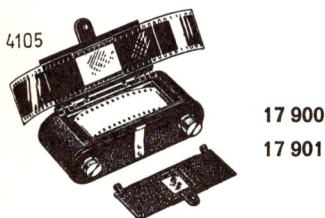
FOCOMAT II a-Color

Adapter	17 775	3½ oz.	0.100
Extra condenser lens for 50mm lens	17 777	3¼ oz.	0.090
Extra condenser lens for 95mm lens	17 778	3¼ oz.	0.090

	Cat. No.		Weight in kg.
FOCOMAT II a			
Adapter	17 775	3½ oz.	0.100
Extra condenser lens for 50mm lens	17 777	3¼ oz.	0.090
Internally illuminated enlargement indicated	17 774	1 lb. 3½ oz.	0.550

**Spacing ring for use with the
AGFA VARIOMAT**

50mm diameter, on the FOCOMAT II a			
Adapter	17 632	½ oz.	0.012



ELDIA transparency printer

for 24x36mm contact prints on positive film or 35mm perforated paper strips (accom- modates approx. 3m (10 ft.) film or 2m (6½ ft.) paper)	17 900	9½ oz.	0.270
18 x 24mm mask for above	17 901	1¼ oz.	0.033

Our enlargers are used with the following
standard types of lamp:

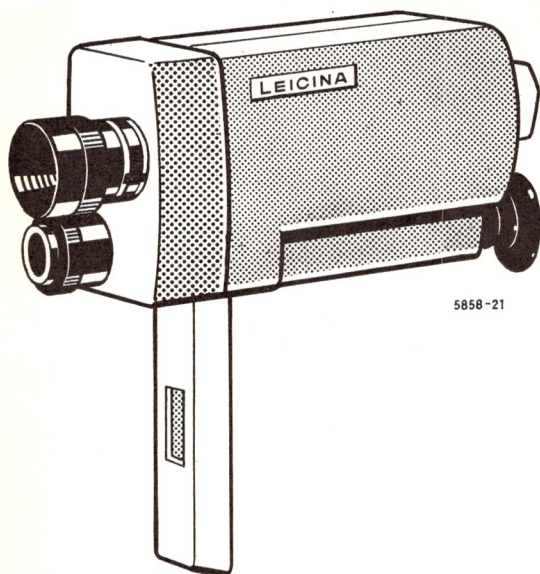
- All enlargers:
- 75 W enlarger lamp
 - 150 W enlarger lamp
 - 250 W high power lamp (not for VALOY II)

All enlargement indicators for Color models:

- Indicator lamp, E 14 base

LEICINA

(F)



5858-21

LEICINA® 8 S

Fully automatic 8mm narrow-gauge cine-camera for double-8 daylight-loading (black-and-white or colour film) of functional design. Swing-out forehead rest ensures firm camera support.

Fully automatic electric exposure control for 6-400 ASA (9-27 °DIN). The functioning of the automatic exposure control system may be checked at any time in the viewfinder by means of the aperture indicator. Facility for 2 x or 4 x filter factor settings. Settings for special lighting conditions and extreme contrasts.

Film drive by built-in electric motor powered by four 1.5V mono-cells, sufficient for approx. 10 films. Control of battery charge. 16 f.p.s. standard film speed. Single-frame exposures. Film reversing control by means of the motor, of up to 5 seconds' duration for producing fades.

Folding handle for steady filming. Release trigger built into the handle.

Viewfinder: Flicker- and parallax-free reflex finder with field of view appropriate to all focal lengths at all focusing distances. Film reserve indicator in the viewfinder. Finder eyelens adjustable for faulty vision from +5 to -5 dioptries. Convenient exit-pupil distance, therefore suitable also for spectacle wearers.

Tripod bush: $\frac{3}{8}$ " (continental) and $\frac{1}{4}$ " (English).

Carrying strap suitable for measurements up to 1m (40").

Cable release for single-frame exposures and continuous filming.

Lenses:

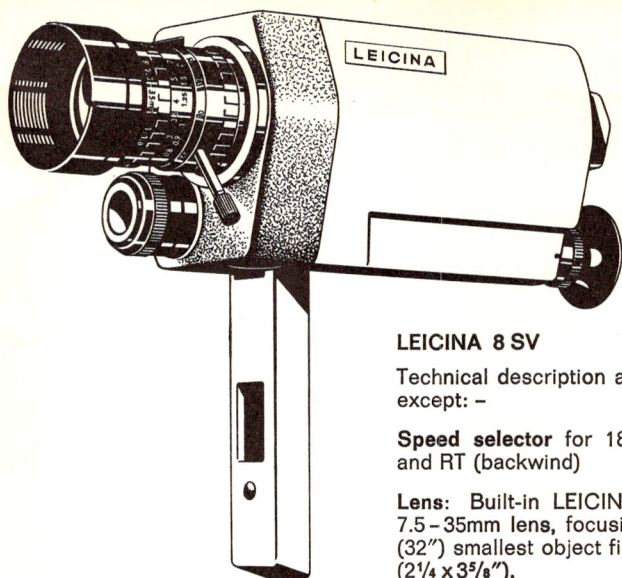
Built-in fixed-focus 15mm DYGON f/2 lens (6 elements, angle of view 22°), and afocal 9mm DYGON f/2 lens attachment. Focusing mount up to 25cm (10") (4 elements, angle of view 37°).

All lenses with lens hood.

	Cat. No.		Weight in kg.
LEICINA 8 S as described, with DYAGON f/2 15mm and DYAGON f/2 9mm (without mono- cells)	20 501	2 lb. 3 oz.	0.990

Accessories

Leather case for the basic 8 S outfit and one extra lens, 4 filters and one double-8 film in folding box, cable release, carrying strap and non-slip shoulder pad	22 408	1 lb. 5 1/4 oz.	0.600
Soft leather bag for the basic outfit 8 S	22 409	5 1/4 oz.	0.150
DYAGON f/2 36mm lens attachment, focusing mount to 1m (40") (6 elements, angle of view 9.5°)	21 007	1 3/4 oz.	0.055
Replacement DYAGON f/2 9mm lens attachment	21 001	2 oz.	0.060
Screw-in lens hood for f/2 6.25mm (replace- ment)	22 210	1/4 oz.	0.007
Slip-on lens hood (including 22 209) for f/2 15mm (replacement)	22 205	3/4 oz.	0.022
Screw-in lens hood for f/2 9mm and for slip- on lens hood, replacement	22 209	1/4 oz.	0.007
Screw-in lens hood for f/2 36mm, replacement	22 211	1/4 oz.	0.007
Yellow filter (2x factor)	22 103	1/8 oz.	0.002
Orange filter (4x factor)	22 107	1/8 oz.	0.002
U.V. absorbing filter (no factor)	22 113	1/8 oz.	0.002
Neutral-density filter (4x factor) for very bright subjects	22 125	1/8 oz.	0.002
Adapter ring with lens hood for Series V filters (30.2 diameter) on 9mm and 15mm lenses of 32mm external diameter	22 241	1/2 oz.	0.012
Mercury cell for fully automatic exposure con- trol system (Life approx. 2 years), replacement	22 510	1/4 oz.	0.007
Replacement battery housing for 4 monocells (1.5 V mono-cells of international standard dimensions are obtainable everywhere)	22 521	1/2 oz.	0.015
Wrist-loop	22 451	3/8 oz.	0.010
Replacement double-8 take-up spool	22 231	3/8 oz.	0.010
Replacement cable release	14 067	3/8 oz.	0.010
Holder for anamorphic lens	22 301	1 3/4 oz.	0.050



LEICINA 8 SV

Technical description as LEICINA 8 S except: -

Speed selector for 18 and 24 f.p. s., 0, and RT (backwind)

Lens: Built-in LEICINA-VARIO f/1.8 7.5-35mm lens, focusing mount to 80cm (32") smallest object field 66x90mm (2 1/4 x 3 5/8").

	Cat. No.		Weight in kg.
LEICINA 8 SV as described (without monocells)	20 524	2 lb. 8 1/2 oz.	1.150

Accessories:

Leather case for the basic outfit 8 SV, 3 filters, 2 double-8 films, cable release	22 412	1 lb. 6 1/2 oz.	0.640
Soft leather bag for the basic outfit 8 SV	22 413	10 1/2 oz.	0.300

Series VI filters (41.3 diameter)

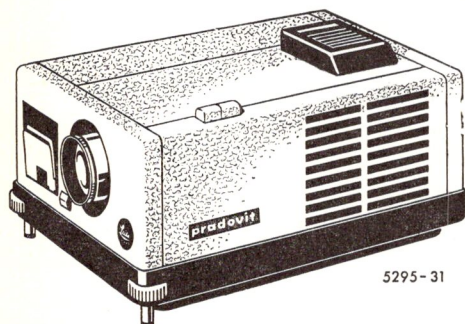
Yellow filter (2x factor)	13 013	3/4 oz.	0.020
Yellow-green filter (2x factor)	13 014	3/4 oz.	0.020
Orange filter (4x factor)	13 011	3/4 oz.	0.020
U.V. absorbing filter (no factor)	13 012	3/4 oz.	0.020
Neutral density filter (4x factor)	13 010	3/4 oz.	0.020
Mercury cell for the fully automatic exposure control system (life approx. 2 years), replacement	22 510	1/8 oz.	0.004
Replacement battery housing for 4 monocells (1.5 V mono-cells of international standard dimensions are obtainable everywhere)	22 521	1/2 oz.	0.015
Wrist loop	22 451	3/8 oz.	0.010
Replacement double-8 film take-up spool	22 231	1 oz.	0.030
Replacement cable release	14 067	3/8 oz.	0.010
Replacement lens hood	22 213	1/2 oz.	0.015
Lens attachment for shots down to approx. 46cm (18") (33x45mm)	22 001	3/4 oz.	0.020

Accessories for the CINOVID®:

Sound adapter for double tape synchronization	27 010	1 lb. 3 oz.	0.530
Holder for Moeller anamorphic lens 19/1.5x	27 001	1 oz.	0.030

Miniature projectors

(P)



5295-31

PRADOVIT® N 12 • PRADOVIT N 24-iodine • PRADOVIT F

Automatic miniature projector with remote-control slide changing forward and reverse, and remote focusing for 5x5cm (2x2") slides (effective format up to 38x38mm, 50mm lens up to 24x36mm).

Body of contemporary, smooth shape with carrying handle, compact design.

Solid aluminium die-cast base.

Magazine chamber and lamp house easily accessible through hinged flap.

Three-point support for maximum steadiness.

Combined tilt and levelling adjustment.

Removable, well-ventilated lamp house.

Aspherical condenser system with reflector.

Corrosion-proof heat filter.

Direct fan blower (fully insulated condenser motor).

Optimum cooling of slide, body, and lamp.

Central drive for slide changer and blower.

Fully automatic instantaneous declutch to prevent overloading.

Self-lubricating bearings require no maintenance.

Compensating slide guides protect the slides and ensure constant image sharpness with slides of different coverglass thicknesses.

Magnetically controlled remote focusing of the screen image.

2 press-button keys for on/off and blower.

Horizontal slide change, forward or reverse.

Very rapid changing cycle with automatic blackout.

Connection for tape recorders and ultra-sonic slide changing.

Interchangeable lenses, focal lengths from 50 to 250mm.

2 magazines with numbered compartment for thirty 5 x 5cm (2 x 2") slides in plastic container.

Earthed mains cable. Remote control cable for slide changing and focusing.

PRADOVIT N 12

Especially suitable for home projection. Built-in transformer for 12 v 100 W low-voltage lamp (base Ba 15 s) or for iodine lamp (pin base). Adaptable for 110–240 v 50 to 60 c/s. Focal lengths 50–150 mm.

PRADOVIT N 24-iodine

Built-in transformer for 24 v 150 W iodine lamp (base G 17 q), adaptable for 110–240 v 50–60 c/s. Focal lengths 50–150 mm. Light output $\frac{1}{3}$ higher than that of N 12. Focal lengths 50–150 mm.

PRADOVIT F

Universal model for all room sizes. 300 or 500 W lamps (base G 17 q). Adaptable for 110 to 240 v 50–60 c/s. Focal lengths 50–250 mm.

Models for the amateur: –

Cat. No.

Weight
in kg.

PRADOVIT N 12

for low-voltage lamp (base Ba 15 s) or iodine lamp (pin base), 12 v 100 W adaptable for 110–240 v 50–60 c/s

without lamp, lens, mount, and interchangeable condenser	30 399	17 lb. 6½ oz.	7.885
with interchangeable lens, mount, and interchangeable condenser			
ELMARON® f/2.8 50mm	30 350	18 lb. 4½ oz.	8.310
COLORPLAN® f/2.5 90mm	30 310	1 lb. 8½ oz.	8.410
ELMARON f/2.8 100mm	30 300	1 lb. 5 oz.	8.325
HEKTOR f/2.5 120mm	30 320	18 lb. 6½ oz.	8.365
ELMARON f/2.8 150mm	30 330	19 lb. 2½ oz.	8.690

PRADOVIT N 24 iodine

for 24 v 150 W iodine filament lamp (pin base) adaptable for 110–240 v 50–60 c/s

without lamp, lens, mount, and interchangeable condenser	30 596	17 lb. 9½ oz.	7.965
with interchangeable lens, mount, and interchangeable condenser			
ELMARON f/2.8 50mm	30 556	18 lb. 8¼ oz.	8.400
COLORPLAN f/2.5 90mm	30 516	18 lb. 11¾ oz.	8.500
ELMARON f/2.8 100mm	30 506	18 lb. 9 oz.	8.420
HEKTOR f/2.5 120mm	30 526	10 lb. 10½ oz.	8.460
ELMARON f/2.8 150mm	30 536	19 lb. 4 oz.	8.730

For lectures and lecture theatres:

PRADOVIT F

for 300 or 500 W high-voltage lamps (base G 17 q)

adaptable for 110–240 v 50–60 c/s

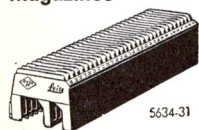
without lamp, lens, mount, and interchangeable condenser	30 089	15 lb.	6.805
with interchangeable lens, mount, and interchangeable condenser			
ELMARON f/2.8 50mm	30 056	15 lb. 13 oz.	7.170
COLORPLAN f/2.5 90mm	30 016	15 lb. 14¾ oz.	7.220
ELMARON f/2.8 100mm	30 006	15 lb. 11½ oz.	7.130
HEKTOR f/2.5 120mm	30 026	15 lb. 13 oz.	7.175
ELMARON f/2.8 150mm	30 036	16 lb. 9 oz.	7.570
ELMARON f/3.6 200mm	30 066	17 lb. 2 oz.	7.770
ELMARON f/4 250mm	30 086	17 lb. 4½ oz.	7.830

	Cat. No.		Weight in kg.
Metal hood (fits up to 120mm lens only) . . .	37 905	2 lb. 6 ³ / ₄ oz.	1.100
Carrying case (in place of metal hood, for projectors with focal lengths of 150mm and above)	37 921	4 lb. 8 ¹ / ₄ oz.	2.050
Holder for micro-attachments (see p. 106) . . .	37 918	10 oz.	0.280
Interchangeable condenser for same	37 919	3 ¹ / ₄ oz.	0.090
Remote control cable, included in the price of the standard outfits	37 900	6 ¹ / ₄ oz.	0.180
Longer remote-control cables			
10m (32 ¹ / ₂ ft.)	37 901	13 oz.	0.370
15m (50 ft.)	37 902	1 lb. 3 oz.	0.540
20m (65 ft.)	37 903	1 lb. 8 ³ / ₄ oz.	0.700

Lamps

for PRADOVIT N 12 (base Ba 15 s) 100 W/12 v	37 709	1 oz.	0.030
Iodine lamp (pin base) 100 W/12 v	37 718	1 oz.	0.030
for PRADOVIT N 24 (base G 17 q) 150 W/24 v	37 714	1 oz.	0.030
for PRADOVIT N 24-iodine (pin base) 150 W/24 v	37 717	1 oz.	0.030
Deflector plate for use with iodine lamp (included in PRADOVIT N 12 and N 24-iodine) for PRADOVIT F (base G 17 q) 300 W (please state mains voltage)	37 927	3/4 oz.	0.020
500 W/110 v	37 710	1 oz.	0.030
500 W/110 v	37 711	1 oz.	0.030
500 W/220 v	37 712	1 oz.	0.030
For the 500 W lamp of PRADOVIT F:			
Second heat filter with mount and deflector plate for lamp housing	37 915	2 oz.	0.060

Magazines



5 magazines for 30 slides, in cassette	37 801	1 lb. 12 ¹ / ₄ oz.	0.800
Cassette only	37 823	14 oz.	0.400
2 magazines for 30 slides in transparent case	37 803	12 ³ / ₄ oz.	0.360
Transparent case only	37 802	5 ³ / ₄ oz.	0.160
2 magazines for 36 slides each in unit case	37 844	15 oz.	0.425
Unit case only	37 845	6 ¹ / ₂ oz.	0.185
2 magazines for 50 slides each, in transparent case	37 835	7 ³ / ₄ oz.	0.610
Transparent case only	37 836	10 oz.	0.280
2 magazines for 50 slides each in unit case	37 855		
Unit case only	37 856		

Lenses and optical accessories

90-150mm lenses as for PRADO 250/500, see p. 94.

ELMARON f/2.8 50mm in special mount for PRADOVIT	37 054	10 ¹ / ₄ oz.	0.290
ELMARON f/3.6 200mm without mount	37 061	11 oz.	0.310
ELMARON f/4 250mm without mount	37 081	11 ¹ / ₂ oz.	0.325

Lens mounts

for 90-120mm focal lengths	37 909	4 ¹ / ₂ oz.	0.120
for 150mm focal length	37 910	5 ¹ / ₄ oz.	0.150
for 200mm focal length	37 116	14 ¹ / ₂ oz.	0.410
for 250mm focal length	37 118	19 ¹ / ₂ oz.	0.585

Interchangeable condenser with heat filter
for **PRADOVIT F and N 24**

for 50mm focal length	37 917	5¼ oz.	0.145
for 90-120mm focal lengths	37 913	4¾ oz.	0.135
for 150-250mm focal lengths	37 914	4¾ oz.	0.135

Interchangeable condenser with heat filter
for **PRADOVIT N 12**

for 50mm focal length	37 923	5¼ oz.	0.145
for 90-120mm focal lengths	37 924	4¾ oz.	0.135
for 150mm focal length	37 925	4¾ oz.	0.135

Tape synchronizing control

Special 1.5m (5 ft.) cable with 6-point multiple plug (Type Mas 60 Hirschmann) and three-pin (flat) connector (Type Kuppel 20 Hirschmann) for the control units (unless their connecting cables are already fitted with the Mas 60 standard plug, when a synchro cable will not be necessary)

37 907 2¾ oz. 0.075

dto. special cable for PRADOVIT below

No. 400 000

37 926

When ordering kindly give the Serial No. of projector (on magazine track).

Multiple plug for simultaneous connection of tape recorder and remote focusing cable to the PRADOVIT

37 908 3¼ oz. 0.090

When ordering please give the Serial No. of projector.

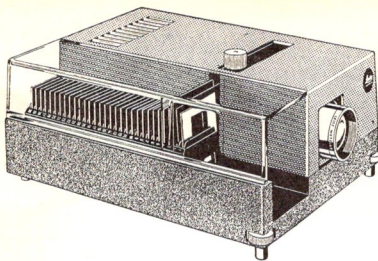
Connection for Diachron-Universal for

PRADOVIT above No. 400 001 only

37 922

0.013

Our special leaflet 31-29/Engl. provides information on operating the PRADOVIT together with tape recorders.



32 100

PRADOLUX®

Magazine projector, manually operated.

Convenient single-button operation.

Modern projector housing, smooth, compact design.

Solid aluminium die-cast base with bobbin for the cable.

Removable magazine chamber cover, providing easy access to the slides even during projection.

Top of housing removable, for easy access to the condenser system.

Detachable, well ventilated lamp housing.

Aspherical condenser system, heat filter, interchangeable condenser and reflector in common mount.

Steady support. Vertical adjustment. Direct fan blower.

Optimum cooling of slide, body, and lamp. On/off switch at the back of the projector.

Horizontal slide change. Lenses interchangeable, 50, 85, 100, 150mm focal lengths.

1 magazine with numbered compartments for 36 5x5cm (2x2") slides.

Built-in transformer for 100 W 12 v **low-voltage lamp** (base Ba 15 s), or for 100 W 12 v iodine lamp (pin base), adjustable for 110 - 250 v 50 - 60 c/s. For slides up to 38x38mm. 50 and 150mm lenses up to 24x36mm.

PRADOLUX

Cat. No.

Weight
in kg.

without illumination system, without lamp,
without lens

32 196

7 lb. 10 oz.

3.470

with illumination system, with lens

ELMARON f/2.8 50mm

32 156

8 lb. 9 1/2 oz.

3.900

ELMARON f/2.8 85mm

32 103

8 lb. 9 oz.

3.855

ELMARON f/2.8 100mm

32 100

8 lb. 9 1/2 oz.

3.900

ELMARON f/3.2 150mm

32 136

8 lb. 9 1/2 oz.

3.900

ELMARON f/2.8 50mm separate

37 051

5 oz.

0.140

ELMARON f/2.8 85mm separate

37 003

ELMARON f/2.8 100mm separate

37 002

5 oz.

0.140

ELMARON f/3.2 150mm separate

37 031

5 oz.

0.140

Plastic carrier bag

37 430

1 lb. 8 oz.

0.680

Illuminating System

Lamp cowl with reflector, aspherical lens, heat filter and interchangeable condenser for 50mm focal length (included in the price of 32 156)

37 851

10 1/4 oz.

0.290

for 85 - 150mm focal lengths (included in 32 103, 32 100 and 32 136)

37 852

10 1/4 oz.

0.290

Magazines

5 magazines for 30 slides each in cassette

37 801

1 lb. 12 1/4 oz.

0.800

Cassette only

37 823

14 oz.

0.400

2 magazines for 30 slides each in transparent case

37 803

12 3/4 oz.

0.360

Transparent case only

37 802

5 3/4 oz.

0.160

2 magazines for 36 slides each, in unit case

37 844

15 oz.

0.425

Unit case

37 845

6 1/2 oz.

0.185

Lamps

100 W 12 V low-voltage lamp (base Ba 15 s)

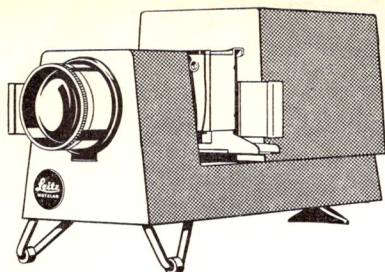
37 709

100 W 12 V iodine lamp (pin base)

37 718

1 oz.

0.030



PRADIX®

Small, handy home projector for 5x5cm (12x2") (18x24mm half frame to 4x4cm (super slides)) and film strips of 24 x 36mm and 18 x 24mm.

Well ventilated lamp housing, aspherical condenser system with interchangeable condenser, built-in heat filter.

For **150 W narrow-gauge cine-projection lamp**, G 17 q base, for direct mains connection.

Interchangeable projection lenses

ELMARON f/2.8 100mm (4 x 4cm to 18 x 24mm)

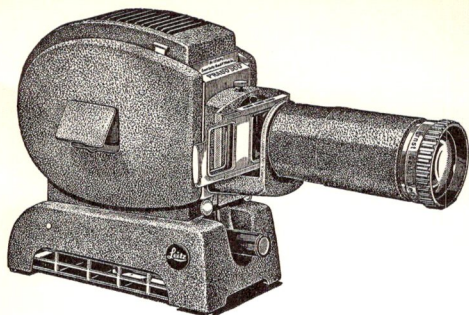
ELMARON f/2.8 85mm (4 x 4cm to 18 x 24mm)

ELMARON f/2.8 50mm (24 x 36mm to 18 x 24mm)

5 x 5cm (2 x 2") slide changer, rotatable, interchangeable with film strip holder.

Vertical adjustment.

	Cat. No.		in kg. Weight
PRADIX			
without lens, without interchangeable condenser	31 499		
with ELMARON f/2.8 100mm lens and slide changer, without lamp	31 400	3 lb. 2 oz.	1.420
dto. with ELMARON f/2.8 85mm lens	31 403	3 lb. 3/4 oz.	1.380
dto. with ELMARON f/2.8 50mm lens	31 456	3 lb. 2 1/4 oz.	1.425
Slide changer (part of the above outfits)	37 849	4 1/4 oz.	0.120
Film strip holder for 24 x 36mm with 18 x 24mm insert mask	37 846	8 oz.	0.230
Lamp 150 W 220 V (G 17 q)	37 715	1 oz.	0.030
Lamp 150 W 110 V (G 17 q)	37 716	1 oz.	0.030
ELMARON f/2.8 100mm lens, separate	37 002	4 3/4 oz.	0.135
ELMARON f/2.8 85mm lens, separate	37 003	3 1/4 oz.	0.095
ELMARON f/2.8 50mm lens, separate	37 051	5 oz.	0.140
Interchangeable condenser for 85mm - 100mm	37 207	10 1/2 oz.	0.300
Interchangeable condenser for 50mm	37 208	10 1/2 oz.	0.300



4674-31

PRADO® 250/500

Rigid, attractively styled body with especially solid base. Identical basic body for the PRADO 250, 500, and PRADO 66.

Convenient vertical adjustment, counter-balanced.

Glare-free reading flap, light-tight fit.

250 W 220 V lamp for direct connection * (base P 28).

300 W, 500 W lamp for use with the blower only (base P 28).

Optimum light output with two-lens aspherical condenser system and reflector.

Excellent ventilation through triple lamp house with automatic chimney action to draw off the warm and supply the fresh air.

Additional cooling through a.c. blower motor on request, for slides and lamp, adjustable for 110 or 220 V. Vibration-free, virtually silent motor. Combined switch for motor and lamp.

Highly efficient special heat filter.

Interchangeable attachment for miniature slides with rotating and locking slide stage, engaging at 90° intervals. Interchangeable with attachment for 6 x 6cm (2 1/4 x 2 1/4") and 7 x 7cm (2 3/4 x 2 3/4") slides.

5 x 5cm (2 x 2") slide changer, interchangeable with film strip holder.

Interchangeable, fast lenses to suit various screen sizes and projection distances.

All lenses and condensers are surface-coated (LEITZ anti-reflection coating).

Earthed cable with switch.

For the use of the various micro-attachments see also **Micro Attachments**.

PRADO 500 daylight projector

special model with built-in rheostat and multistage-switch, otherwise specifications as for the PRADO 500.

* However, 110 V lamps to be connected to higher voltages over a regulating transformer are preferable. The advantages of 110 V over 220 V lamps are 1) smaller filament size, 2) higher luminous density of the filament resulting in increased screen image brightness, 3) more even illumination of the screen, 4) greater robustness and longer life.

Outfits for projecting 5x5cm (2x2") slides

PRADO 250 without blower

		Cat. No.		Weight in kg.
PRADO without lamp, without lens, without mount interchangeable condenser		31 299	9 lb. 1 1/2 oz.	4.120
with interchangeable lens, mount, and inter- changeable condenser:				
ELMARON f/2.8 50mm	31 258		9 lb. 7 3/4 oz.	4.300
COLORPLAN f/2.5 90mm	31 210		10 lb. 30 oz.	4.620
ELMARON f/2.8 100mm	31 200		10 lb. 30 oz.	4.620
HEKTOR f/2.5 120mm	31 220		10 lb. 4 1/2 oz.	4.660
ELMARON f/2.8 150mm	31 230		10 lb. 12 3/4 oz.	4.900

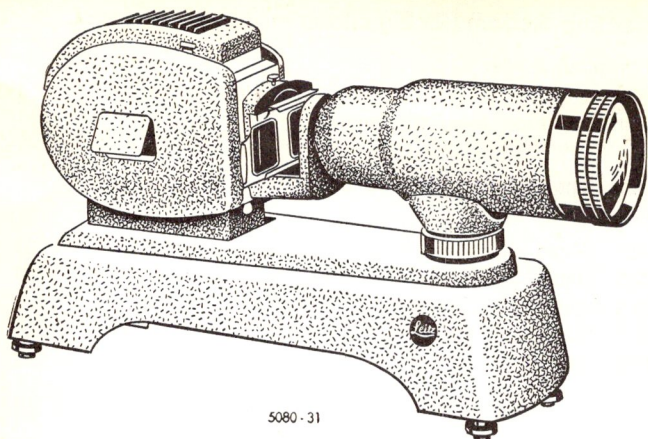
Officially recommended for schools

PRADO 500 with blower

		Cat. No.		Weight in kg.
PRADO without lamp, without lens, without mount, without interchangeable condenser		31 599	11 lb. 1 1/2 oz.	5.000
with interchangeable lens, mount, and inter- changeable condenser:				
SUMMICRON f/2 35mm	31 535		11 lb. 9 1/4 oz.	5.310
ELMARON f/2.8 50mm	31 558		11 lb. 6 3/4 oz.	5.180
COLORPLAN f/2.5 90mm	31 510		11 lb. 10 oz.	5.270
ELMARON f/2.8 100mm	31 500		11 lb. 10 oz.	5.270
HEKTOR f/2.5 120mm	31 520		11 lb. 11 oz.	5.300
ELMARON f/2.8 150mm	31 530		12 lb. 9 oz.	5.700
HEKTOR f/2.5 175mm	31 550		13 lb. 11 1/2 oz.	6.220
ELMARON f/3.6 200mm	31 560		12 lb. 14 3/4 oz.	5.860

PRADO 500 with blower, as daylight projector

		Cat. No.		Weight in kg.
PRADO without lamp, without lens, without mount, without interchangeable condenser		31 709	10 lb. 12 3/4 oz.	4.840
with interchangeable lens, mount, and inter- changeable condenser:				
COLORPLAN f/2.5 90mm	31 710		11 lb. 12 1/4 oz.	5.340
HEKTOR f/2.5 120mm	31 720		11 lb. 3 oz.	5.360
ELMARON f/2.8 150mm	31 730		14 lb. 8 oz.	6.580
HEKTOR f/2.5 175mm	31 750		13 lb. 7 3/4 oz.	6.120



5080-31

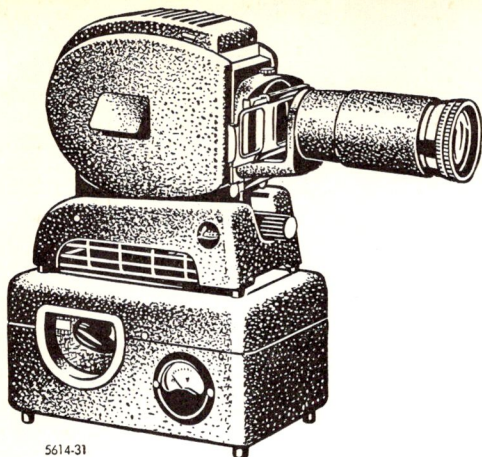
The long-base PRADO 500

Special model of the PRADO 500 for projection with focal length of 200mm and above.

An adjustable bracket supports the interchangeable lenses. The screen image remains free from vibration even with the longest focal lengths.

		Cat. No.		Weight in kg.
PRADO without lamp, without lens, without interchangeable condenser				
		31 909	14 lb. 5 ³ / ₄ oz.	6.510
with interchangeable lens, mount, with inter- changeable condenser:				
HEKTOR	f/2.5 200mm	31 970	17 lb. 15 ¹ / ₂ oz.	8.150
ELMARON	f/4 250mm	31 980	16 lb. 15 oz.	7.680
HEKTOR	f/2.8 250mm	31 990	18 lb. 2 ¹ / ₄ oz.	8.680
HEKTOR	f/2.8 300mm	31 991	22 lb. 10 ¹ / ₂ oz.	10.280

Longer focal lengths on request.



5614-31

PRADO 500 with regulating-transformer base and blower

Special version of the PRADO 500 with permanently fitted regulating transformer as base, for the use of 75 V 375 W low-voltage or 110 V 500 W projection lamps. Specially recommended for technical colleges, as the extreme position of the adjustment range can be clamped, effectively protecting the lamp from over-running due to unauthorized interference.

125 or 220 V a. c. operation.

Load adjustment covers voltage fluctuations of approx. $\pm 10\%$.

Otherwise identical with the PRADO 500.

		Cat. No.		Weight in kg.
PRADO without lamp, without lens, without mount, without interchangeable condenser		32 009	22 lb. 14 oz.	10.380
with interchangeable lens, mount, and inter- changeable condenser:				
COLORPLAN	f/2.5 90mm	32 010	23 lb. 13½ oz.	10.820
HEKTOR	f/2.5 120mm	32 020		10.850
ELMARON	f/2.8 150mm	32 030		11.060
HEKTOR	f/2.5 175mm	32 050	25 lb. 9¼ oz.	11.600
ELMARON	f/3.6 200mm	32 060	24 lb. 12½ oz.	11.240
HEKTOR	f/2.5 200mm	32 070	26 lb. 14¼ oz.	12.200

Lamps (Base P 28)

Cat. No.

Weight
in kg.

250 W projection lamp (please state mains voltage)	37 701	1 ³ / ₄ oz.	0.050
375 W 75 W projection lamp	37 705	1 ³ / ₄ oz.	0.050
300 W projection lamp (please state mains voltage)	37 702	1 ³ / ₄ oz.	0.050
500 W 110 V projection lamp	37 703	1 ³ / ₄ oz.	0.050
500 W 220 V projection lamp	37 704	1 ³ / ₄ oz.	0.050

**37 500**

4518-31

Electrical connection

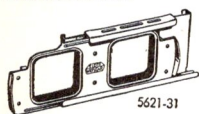
220/110 V, 500 W regulating transformer, with short cable	37 500	11 lb. 9 ¹ / ₂ oz.	5.260
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Blower unit for installation:

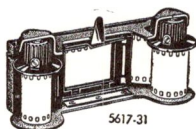
220/110 V a.c., adjustable	37 650	2 lb. 1 ¹ / ₂ oz.	0.920
Cost of subsequent installation in the factory	37 899		
Additional heat filter in mount (necessary for the 500 W lamp in projectors below No. 261 000)	37 811	2 oz.	0.060

Carrying cases:

Sturdy case for PRADO 250/500 and lens up to 150mm focal length, filmstrip holder . . .	37 411	3 lb. 6 ³ / ₄ oz.	1.550
Fibre case for PRADO 500 with 175mm and 200mm lenses and transformer 37 500 . . .	37 406	4 lb. 11 ³ / ₄ oz.	2.150
Special case for long-base PRADO 500 (except with HEKTOR 300mm)	37 403	7 lb. 3 ³ / ₄ oz.	3.280
Special case for PRADO 500 with transformer base	37 404	8 lb. 4 ¹ / ₄ oz.	3.750

Accessories:**37 807**

5621-31



5617-31



5633-31

37 830

Slide changer for 5x5cm (2x2") slides, separate	37 807	4 ¹ / ₄ oz.	0.120
24x36mm filmstrip holder with 18x24mm mask	37 830	8 ³ / ₄ oz.	0.250

Projection lenses for PRADO 250/500:

SUMMICRON f/2 35mm with mount . . .	37 035	6 ¹ / ₄ oz.	0.175
ELMARON f/2.8 50mm without mount . .	37 051	5 oz.	0.140
COLORPLAN f/2.5 90mm without mount .	37 010	10 oz.	0.280
ELMARON f/2.8 100mm without mount . .	37 000	7 oz.	0.200
HEKTOR f/2.5 120mm without mount . .	37 020	8 ¹ / ₂ oz.	0.240
ELMARON f/2.8 150mm without mount . .	37 030	1 lb. 1 ¹ / ₄ oz.	0.490
HEKTOR f/2.5 175mm without mount . .	37 050	1 lb. 13 ¹ / ₄ oz.	0.830
ELMARON f/3.6 200mm with mount . . .	37 060	1 lb. 11 ¹ / ₂ oz.	0.780
HEKTOR f/2.5 200mm with mount * . . .	37 070	3 lb. 7 ³ / ₄ oz.	1.580
ELMARON f/4 250mm with mount * . . .	37 080	2 lb. 10 ¹ / ₄ oz.	1.200
HEKTOR f/2.8 250mm with mount * . . .	37 090	4 lb. 10 ¹ / ₂ oz.	2.110
HEKTOR f/2.8 300mm with mount * . . .	37 091	8 lb. 3 ¹ / ₄ oz.	3.720

Longer focal lengths on request.

* suitable for long-base PRADO only.

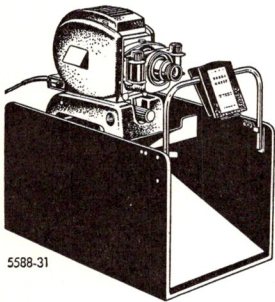
When ordering an additional lens, the following is required:

Mount for 50mm lens	37 117	$\frac{3}{4}$ oz.	0.020
Mount for 90mm, 100mm, and 120mm lenses	37 100	$5\frac{3}{4}$ oz.	0.160
Mount for 150mm lenses	37 101	7 oz.	0.200
Mount for 175mm lenses	37 102	$11\frac{3}{4}$ oz.	0.330

Interchangeable condenser in mount

for 35mm lenses	37 209	$2\frac{3}{4}$ oz.	0.075
for 50mm lenses	37 206	$2\frac{1}{2}$ oz.	0.070
for 90mm, 100mm, and 120mm lenses	37 200	2 oz.	0.060
for 150mm and 175mm lenses	37 201	$1\frac{3}{4}$ oz.	0.050
for 200-300mm lenses	37 202	$1\frac{1}{2}$ oz.	0.045

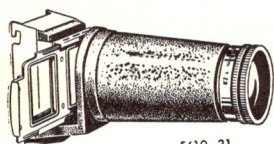
Large Microfilm reader with PRADO 250, for comfortable evaluation of negative or transparency material in daylight, and reading of microfilmed book pages and manuscripts.



31 253

PRADO 250 for 50mm lens, with filmstrip holder in place of slide changer, without lamp, without blower	31 211	9 lb. $12\frac{3}{4}$ oz.	4.440
ELMARON f/2.8 50mm projection lens without iris diaphragm	37 051	$4\frac{1}{4}$ oz.	0.120
Lens mount	37 117	$\frac{3}{4}$ oz.	0.020
Large microfilm reading box	31 212	8 lb. $4\frac{3}{4}$ oz.	3.760
Large microfilm reading unit complete, without lamp	31 253	18 lb. $6\frac{1}{4}$ oz.	8.340

6 x 6cm (2¹/₄ x 2¹/₄") attachment for the PRADO 250/500



5619-31

Separate attachment for a slide changer for 7 x 7cm (2³/₄ x 2³/₄") slides external (54 x 54mm (2¹/₈ x 2¹/₈") image area), with fixed slide stage, and 7 x 7cm (2³/₄ x 2³/₄") slide changer *.

		Cat. No.		Weight in kg.
With interchangeable lens, mount and interchangeable condenser				
ELMARON	f/2.8 150mm	32 333	3 lb. 8 ¹ / ₂ oz.	1.600
HEKTOR	f/2.5 175mm	32 355	4 lb. 3 oz.	1.900
ELMARON	f/3.6 200mm	32 366	3 lb. 13 oz.	1.730
HEKTOR	f/2.5 200mm***	32 377	5 lb. 1 ¹ / ₄ oz.	2.300
ELMARON	f/4 250mm***	32 388	4 lb. 4 ¹ / ₄ oz.	1.935
HEKTOR	f/2.8 250mm***	32 399	6 lb. 4 oz.	2.835
HEKTOR	f/2.8 300mm***	32 391	9 lb. 4 ³ / ₄ oz.	4.215

Attachment as described, without lens, without mount and condenser	32 300	1 lb. 4 ³ / ₄ oz.	0.585
6 x 6cm (2 ¹ / ₄ x 2 ¹ / ₄ ") interchangeable condenser for 150-175mm lenses	37 204	5 oz.	0.140
6 x 6cm (2 ¹ / ₄ x 2 ¹ / ₄ ") interchangeable condenser for 200-300mm lenses	37 205	3 ¹ / ₂ oz.	0.100

When using the 6x6cm (2¹/₄x2¹/₄") attachment on the PRADO 250/500 the following parts must be exchanged:

Aspherical condenser lens 6x6 in mount	37 203	6 ³ / ₄ oz.	0.190
Heat filter 6x6	37 813	2 ¹ / ₂ oz.	0.070

With a 500 W lamp we recommend double mount with two heat filters 6x6** in place of 37 813

37 814	4 ¹ / ₄ oz.	0.120
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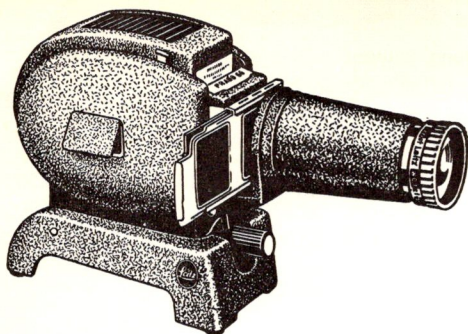
Projection lenses for the 6x6 attachment (included in the complete outfits)

ELMARON	f/2.8 150mm with mount	37 033	1 lb. 13 oz.	0.820
HEKTOR	f/2.5 175mm with mount	37 055	1 lb. 10 ¹ / ₂ oz.	0.750
ELMARON	f/3.6 200mm with mount	37 066	2 lb. 4 ¹ / ₄ oz.	1.030
HEKTOR	f/2.5 200mm with mount***	37 077	3 lb. 5 ¹ / ₂ oz.	1.520
ELMARON	f/4 250mm with mount***	37 088	2 lb. 10 ³ / ₄ oz.	1.210
HEKTOR	f/2.8 250mm with mount***	37 099	4 lb. 10 ¹ / ₂ oz.	2.110
HEKTOR	f/2.8 300mm with mount***	37 092	7 lb. 11 oz.	3.490

* A 7 x 7cm (2³/₄ x 2³/₄") slide changer can be supplied on request in place of the 6 x 6cm (2¹/₄ x 2¹/₄") changer.

** When ordering separately please quote serial No. of the projector.

*** Suitable for the long-base model only.



PRADO 66

Designed for the projection of medium-format slides ($6 \times 6\text{cm}$ ($2\frac{1}{4} \times 2\frac{1}{4}\text{''}$) or $7 \times 7\text{cm}$ ($2\frac{3}{4} \times 2\frac{3}{4}\text{''}$)). Also suitable for miniature slide up to $38 \times 38\text{mm}$ ($1\frac{1}{2} \times 1\frac{1}{2}\text{''}$).

Rigid, attractively styled body on specially solid base. Body unit identical with that of the PRADO 250/500.

Convenient, counter-balanced vertical adjustment.

Glare-free reading flap, light-tight fit.

250 W lamp (base P 28) for direct mains operation *.

500 W lamp (base P 28), for use with the blower only.

Optimum lamp output through two-lens aspherical condenser system and reflector.

Excellent cooling through triple lamp house with automatic chimney action to draw off the warm and supply the fresh air.

On request additional cooling for slides and lamp by means of a.c. blower motor, virtually silent, and vibration-free. Adjustable for 110 or 220 V.

Highly efficient special heat filter.

Removable $7 \times 7\text{cm}$ ($2\frac{3}{4} \times 2\frac{3}{4}\text{''}$) slide attachment ($54 \times 54\text{mm}$ ($2\frac{1}{8} \times 2\frac{1}{8}\text{''}$) image area), interchangeable with a $5 \times 5\text{cm}$ ($2 \times 2\text{''}$) slide attachment (image area up to $38 \times 38\text{mm}$ ($1\frac{1}{2} \times 1\frac{1}{2}\text{''}$)).

$7 \times 7\text{cm}$ ($2\frac{3}{4} \times 2\frac{3}{4}\text{''}$) slide changer (external slide format $7 \times 7\text{cm}$ ($2\frac{3}{4} \times 2\frac{3}{4}\text{''}$), image area $54 \times 54\text{mm}$ ($2\frac{1}{8} \times 2\frac{1}{8}\text{''}$)), interchangeable with additional $6 \times 6\text{cm}$ ($2\frac{1}{4} \times 2\frac{1}{4}\text{''}$) slide changer (external slide format $6 \times 6\text{cm}$ ($2\frac{1}{4} \times 2\frac{1}{4}\text{''}$), image area $54 \times 54\text{mm}$ ($2\frac{1}{8} \times 2\frac{1}{8}\text{''}$)), or miniature $5 \times 5\text{cm}$ ($2 \times 2\text{''}$) slide changer (image area up to $38 \times 38\text{mm}$ ($1\frac{1}{2} \times 1\frac{1}{2}\text{''}$)).

Interchangeable projection lenses for different screen sizes and projection distances.

All lenses and condensers are surface coated (LEITZ anti-reflection coating).

Earthed mains cable with switch.

See also **Micro-attachments** for the various micro attachments.

* However, 110 V lamps to be connected to higher voltages over a regulating transformer are preferable. The advantages of 110 V over 220 V lamps are 1) smaller filament size, 2) higher luminous density of the filament resulting in increased screen image brightness, 3) more even illumination of the screen, 4) greater robustness and longer life.

PRADO 66 as described, without lens, without mount, without interchangeable condenser, without lamp

32 599

9 lb. 9½ oz.

4.350

with interchangeable lens, mount and interchangeable condenser

ELMARON f/2.8 150mm

32 530

11 lb. 9½ oz.

5.260

HEKTOR f/2.5 175mm

32 550

12 lb. 2 oz.

5.500

ELMARON f/3.6 200mm

32 560

11 lb. 8¼ oz.

5.220

Outfit as above, without lamp, but with adjustable 110–220 V a.c. blower unit, with interchangeable lens:

Housing only

32 597

11 lb. 9¾ oz.

5.270

ELMARON f/2.8 150mm

32 531

13 lb. 4½ oz.

6.020

HEKTOR f/2.5 175mm

32 551

13 lb. 12¾ oz.

6.260

ELMARON f/3.6 200mm

32 561

13 lb. 3 oz.

5.980

Outfit as above, with long base, without lamp, with blower

Housing only

32 598

13 lb. 12½ oz.

6.700

HEKTOR f/2.5 200mm

32 570

18 lb. 5½ oz.

8.320

HEKTOR f/2.8 250mm

32 590

19 lb. 8¼ oz.

8.850

ELMARON f/4 250mm

32 580

17 lb. 4½ oz.

7.840

HEKTOR f/2.8 300mm

32 591

23 lb. 1 oz.

10.460

Longer focal lengths on request.

Accessories:

250 W lamp, base P28

(please state mains voltage)

37 701

1¾ oz.

0.050

500 W 110 v lamp*, base P28

37 703

1¾ oz.

0.050

500 W 220 v lamp*, base P28

37 704

1¾ oz.

0.050

When using 500 W lamps:

Double mount with two heat filters 6x6

37 814

4¼ oz.

0.120

a.c. blower, adjustable 220–110 V

37 650

1 lb. 10 oz.

0.740

The above outfits include

7x7cm (2¾x2¾") slide changer, external

slide format 7x7cm (2¾x2¾"), image area

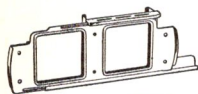
54x54mm (2⅛x2⅛")

37 815

8¼ oz.

0.235

Also available:



5620-31

37 816

6x6cm (2¼x2¼") slide changer, external

slide format 6x6cm (2¼x2¼"), image area

54x54mm (2⅛x2⅛")

37 816

8½ oz.

0.240

5x5cm (2x2") slide changer, external slide

format 5x5cm (2x2"), for slides from 24x36mm

to 4x4cm (1⅝x1⅝")

37 817

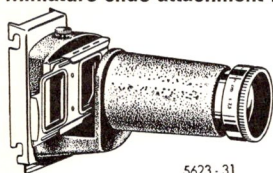
6¾ oz.

0.190

* To be used with blower only.

	Cat. No.		Weight in kg.
220/110 V 500 W regulating transformer , earthed, with short mains cable	37 500	11 lb. 9½ oz.	5.260
Carrying cases			
Sturdy case for the PRADO 66 with 150mm lens	37 411	3 lb. 6¾ oz.	1.550
Fibre case for the PRADO 66 with 175mm and 200mm lenses and transformer	37 500	4 lb. 11¾ oz.	2.150
Special case for the long-base PRADO 66/500 (except HEKTOR 300mm)	37 403	7 lb. 3¾ oz.	3.280
Special case for the PRADO 66/500 with trans- former base	37 404	8 lb. 4¼ oz.	3.750
Prices of the projection lenses for the 6 x 6 attachment (2¼ x 2¼") (when a second lens is used with the projector, an appropriate second condenser is also required)			
ELMARON f/2.8 150mm with mount	37 033	1 lb. 13 oz.	0.820
HEKTOR f/2.5 175mm with mount	37 055	1 lb. 10½ oz.	0.750
ELMARON f/3.6 200mm with mount	37 066	2 lb. 4½ oz.	1.030
HEKTOR f/2.5 200mm with mount*	37 077	3 lb. 5½ oz.	1.520
ELMARON f/4 250mm with mount*	37 088	2 lb. 10¾ oz.	1.210
HEKTOR f/2.8 250mm with mount*	37 099	4 lb. 10½ oz.	2.110
HEKTOR f/2.8 300mm with mount*	37 092	7 lb. 11 oz.	3.490
Interchangeable 6 x 6cm (2¼ x 2¼") condenser for 150-175mm lenses	37 204	5 oz.	0.140
Interchangeable 6 x 6cm (2¼ x 2¼") condenser for 200-300mm lenses	37 205	3½ oz.	0.100

Miniature slide attachment for the PRADO 66



detachable, with rotating slide stage, inter-
changeable condenser lens and 5 x 5cm (2 x 2")
aspherical condenser lens in mount (to replace
the 6x6cm (2¼x2¼") condenser lens), 5x5cm
(2x2") slide changer.

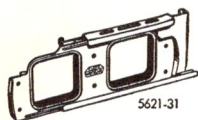
With interchangeable lens:

COLORPLAN f/2.5 90mm	32 610	2 lb. 6¾ oz.	1.100
ELMARON f/2.8 100mm	32 600	2 lb. 3¾ oz.	1.010
HEKTOR f/2.5 120mm	32 620	2 lb. 5 oz.	1.050
ELMARON f/2.8 150mm	32 630	2 lb. 14¾ oz.	1.325
Attachment , without lens, without mount, with- out interchangeable condenser			
	32 699	1 lb. 4½ oz.	0.600
We recommend replacement of the heat filter:			
Heat filter 1 in mount	37 853	2 oz.	0.060

* Suitable for the long-base model only.

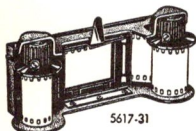
For use with a 500 W lamp required or the instruments below No. 261 000:

Additional heat filter in mount 37 811 2 oz. 0.060



37 807

Horizontal slide changer for 5x5cm (2x2")
slides (included in the above outfits) 37 807

4¹/₄ oz. 0.120

37 830

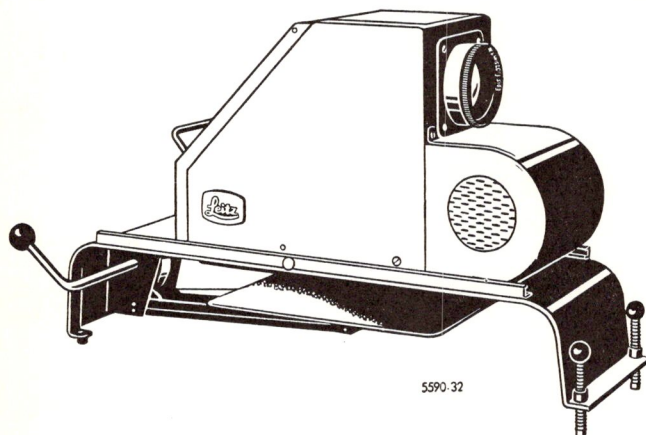
Semi-automatic filmstrip holder for 24x36mm
filmstrips, with mask for 18x24mm frames . . 37 830

8³/₄ oz. 0.250

See also **Micro-attachments.**

Episcopes Epidiascopes Microattachments

(P)



Episcope Vz 2

500 W lamp, combined blower ventilation and filter.

Designed for the projection of selected areas of originals form 14x16cm to 16 x 31cm ($5\frac{3}{4} \times 6\frac{3}{8}$ " to $6\frac{3}{8} \times 12\frac{1}{4}$ ").

Sturdy body, with smooth surfaces, for heavy-duty use.

Rigid object stage, fixed in any position by eccentric lever. The top of the episcopes slides on the base for the projection of selected portions of the original, or can be removed altogether.

Maximum screen size approx. 2x2m ($6\frac{1}{2} \times 6\frac{1}{2}$ " ft.) at projection distances from 5 to 6m (16 to 20 ft.).

Blower with fully suppressed a.c. motor (adjustable for 220 or 110-130 V) and heat filter of maximum efficiency protect the original even during prolonged periods of projection. Sekurit safety glass pressure plate.

500 W episcopes lamp with pre-focus base for direct mains operation * or for use with a transformer.

Four-component mirror system, consisting of a frosted metal reflector and three metal mirrors for optimum utilization of the lamp output and even illumination of the object field. The mirrors are **not subject to any form of deterioration** and do not need recoating even after many years of use. Their life is practically unlimited.

Projection anastigmats of outstanding correction guarantee maximum corner-to-corner sharpness, absence of distortion, and accurate colour rendering.

* However, 110V lamps to be connected to higher voltages through a regulating transformer are preferable. The advantage of 110V over 220V lamps are 1) smaller filament size, 2) higher luminous density of the filament resulting in increased screen image brightness, 3) more even illumination of the screen, 4) greater robustness and longer life.

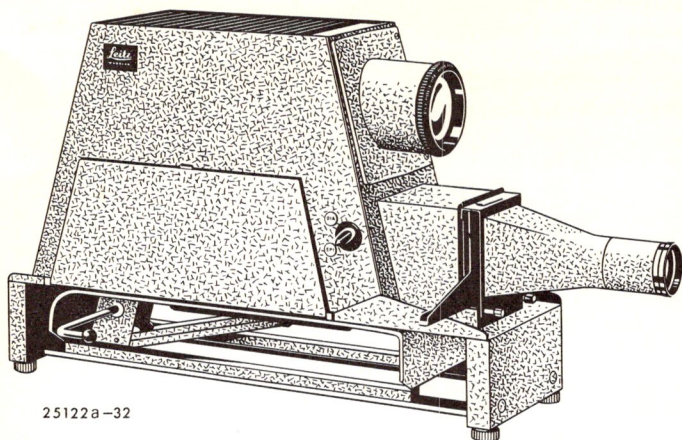
Increased brilliance and light transmission due to surface coating of the lenses (LEITZ anti-reflection coating).

Vertical adjustment on the base for the alignment of the projected image on the screen; also adjustable for sideways inclination.

Switch built into the projector plug.

Weight only 16 kg (35 lbs.), for easy transport.

	Cat. No.		Weight in kg.
Episcope Vz 2 with sliding top and blower unit, EPIS f/3.6 325mm lens, completely equipped for 500 W lamp (without lamp), for distances from 3 to 5m (10 to 16 ft.)	33 302	32 lb. 10 oz.	14.800
with EPIS f/4 400mm lens for distances from 4 to 6m (13 to 20 ft.)	33 304	33 lb. 11 ³ / ₄ oz.	15.300
Sturdy carrying case, covered plywood	37 408	11 lb. 14 ¹ / ₂ oz.	5.400
Transparent plastic dust cover	37 426	3 ¹ / ₂ oz.	0.100
500 W episcope lamp with pre-focus base (please state mains voltage)	37 707	2 ¹ / ₂ oz.	0.075
500 W 220/110 V regulating transformer, with short earthed cable	37 500	11 lb. 9 ¹ / ₂ oz.	5.260
Sekurit safety glass pressure plate	37 829	1 lb. 12 ¹ / ₄ oz.	0.800
For graphic arts and drawing instruction: If the episcope is intended for use at magnifications between 2.3x and 3x, an additional part is required for the lens tube (for episcope Vz 2 325mm only)	37 821		
Cost of conversion			
Please return lens and mount for adjustment			
Lens EPIS f/3.6 325mm	37 042	1 lb. 14 oz.	0.850
Lens EPIS f/4 400mm	37 014	2 lb. 5 ¹ / ₄ oz.	1.050



25122a-32

Epidiascope Vh 2

Epidiascope of completely new conception and design, durable hammer finish.

Newly computed, surface-coated projection anastigmats with considerably increased relative apertures and excellent correction ensure distortion-free screen images of corner-to-corner sharpness, accurate colour rendering, and superior brightness.

The lens combinations are matched for screen images of approximately the same dimensions for episcopy and diascopy.

Notable increase the epi- and diasopic screen brightness due to a more efficient lamp arrangement and improved condenser optics of the diasopic system.

Appreciably decreased exposure of the object to heat due to combined blower ventilation – efficient, yet almost silent transverse blower of high cooling effect combined with heat filter.

Increased epi-object field, height 16cm ($6\frac{3}{8}$ "), width 19cm ($7\frac{3}{4}$ ").

Sliding object stage for the projection of selected areas of 19×31 cm ($7\frac{3}{4} \times 12\frac{1}{4}$ ") originals.

The sliding object stage in the fixed housing avoids vibrations leading to premature lamp failure. Furthermore, this solution obviates refocusing during the scanning of an original, and the scale of magnification remains constant.

Rigid object stage, clamped in any position by eccentric lever.

Suitable for 500 W or 1000 W lamps.

Slide-attachment with large slide stage up to 9×12 cm size available as accessory for the episcopes.

Changeover from one type of projection to the other simply by tilting the front mirror.

The four-component mirror system, consisting of reflector and three mirrors for optimum utilization of the lamp output is almost indestructible.

5×5 cm (2×2 ") attachments do not form part of the accessory range, since miniature projectors are more efficient and portable.

	Episcope Cat. No.	Epidiascope Cat. No.	Weight in kg.
Vh 2			
as described, without lamp			
with EPIS f/3.6 400mm	33 700		10 lb. 6 oz. 32.000
with EPIS f/3.6 400mm			
and ELMARON f/3.6 200mm		33 705	81 lb. 9 oz. 37.100
with EPIS f/3.6 400mm			
and ELMARON f/4 250mm		33 715	82 lb. 8 oz. 37.500
with EPIS f/4.3 500m	33 720		71 lb. 9 oz. 32.700
with EPIS f/4.3 500mm			
and ELMARON f/4 250mm	33 715	33 725	83 lb. 10 oz. 38.200

The slide attachment can be ordered at any time at a price equally the difference between the price of the episcope and that of the epidiascope.

Epidiascope of longer focal lengths on request.

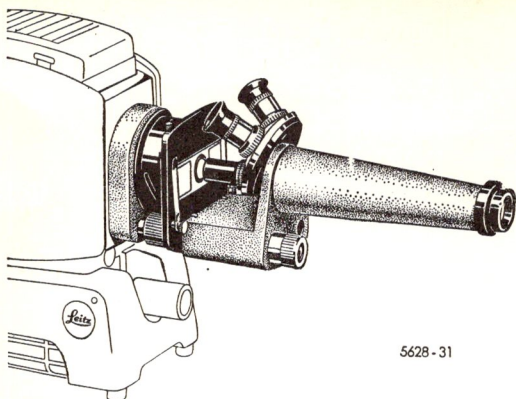
500 W pre-focus base lamp (please state mains voltage)	37 707	2 ³ / ₄ oz.	0.075
1000 W 110 V lamp	37 706	3 ¹ / ₄ oz.	0.090
1000 W 220 V lamp	37 713	3 ¹ / ₄ oz.	0.090
500 W 220/110 V regulating transformer	37 500	11 lb. 9 ¹ / ₂ oz.	5.260
1000 W 220/110 V fixed transformer	37 501	12 lb. 14 ¹ / ₄ oz.	5.760
1000 W 220/110 V regulating transformer	37 502	23 lb. 2 ¹ / ₄ oz.	10.500
Filter for the slide attachment for use with the 1000 W lamp	37 840	5 oz.	0.140
Plastic cover for the epidiascope	37 431	8 ¹ / ₂ oz.	0.240
Plastic cover for the episcope	37 437	7 oz.	0.200
Replacement Sekurit safety glass plate (replacement)	37 841	1 lb. 1 ¹ / ₂ oz.	0.920

Projection tables:

We recommend products of

Karl Baur
4 Duesseldorf
Schwelmstr. 7

Nordwerk Schulmoebelfabrik GmbH.,
2418 Ratzeburg/Holstein



5628 - 31

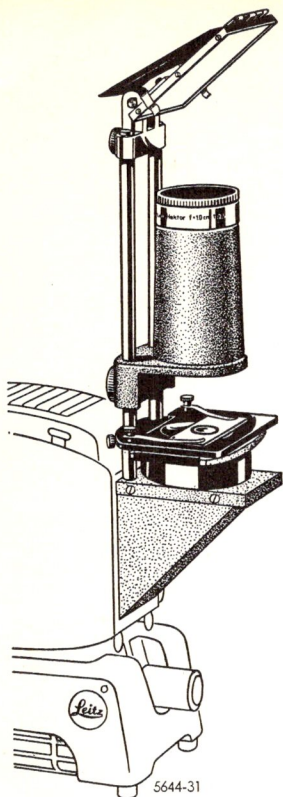
Large micro attachment

for projecting microscope specimens at magnifications up to 2400 x on the screen. Simply by rotating the revolving objective nosepiece it is possible to project the microscopic image on the screen at three stages of magnification, from general features to finest details.

	Cat. No.		Weight in kg.
Large micro attachment complete,			
consisting of			
rotating attachment mount with guide rails*,			
microscope carrier with clamping device, ad-			
justable condensor lens, object stage with clips,			
microscope tube, and triple revolving objective			
nosepiece with 3.5/0.10, 10/0.25 and 25/0.50			
objectives, Huygens projection eyepiece 4 x .			
	32 806	3 lb. 3 1/4 oz.	1.450
Further items:			
2x projection eyepiece	37 300	3 1/4 oz.	0.090
4x Huygens projection eyepiece, separate .	37 301	2 oz.	0.060
Micro-cell for liquids, depth of chamber 1mm	37 850	1/4 oz.	0.005
dto. depth of chamber 2mm	37 857	3/8 oz.	0.008
dto. depth of chamber 3mm	37 858	3/8 oz.	0.012
dto. depth of chamber 4mm	37 859	1/2 oz.	0.015
Adjustable projection prism for tracing the			
microscopic image on the bench	37 820	5 oz.	0.140
When using the micro attachments on the			
PRADO 66, the aspherical condenser lens "6x6"			
must be replaced by the "5x5" lens.			
Aspherical condenser lens "5x5" in mount			
separate	37 819	2 oz.	0.060

Attachments for PRADOVIT see p. 86.

* Rotating attachment mount and guide rails, separate 32 850 11 3/4 oz. 0.330



Vertical micro attachment

for showing general features of liquid or melting specimens at magnifications of up to approx. 120x on the screen.

Vertical micro attachment, consisting of attachment mount with reflex housing and guide rails *, object stage, lens carrier, deflecting mirror, without lens mount and interchangeable condenser

Cat. No. Weight
in kg.

32 802 2 lb. 10 oz. 1.190

Choice of lenses:

ELMARON f/2.8 50mm

in projection mount 37 051

Mount for same 37 117

Interchangeable condenser for above . . 37 206

COLORPLAN f/2.5 90mm 37 010

Mount for same 37 100

interchangeable condenser for same . . 37 200

ELMARON f/2.8 100mm 37 000

Mount for same 37 100

interchangeable condenser for same . . 37 200

5 oz. 0.140
3/4 oz. 0.020
2 1/2 oz. 0.070
10 oz. 0.280
5 3/4 oz. 0.160
2 oz. 0.060
7 oz. 0.200
5 3/4 oz. 0.160
2 oz. 0.060

When using the micro attachments on the PRADO 66 the aspherical condenser lens „6x6“ must be replaced by the “5x5” lens

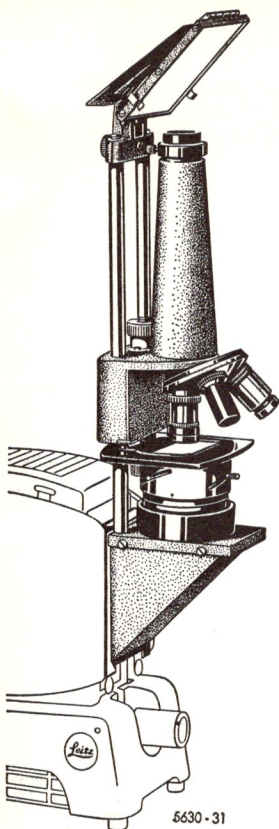
Aspherical condenser lens “5x5” in mount . 37 819

2 oz. 0.060

Attachment for PRADOVIT see p. 86.

* Rotating attachment mount with reflex housing guide rails and deflecting mirror, separate

32 852 2 lb. 2 1/2 oz. 0.980



Large vertical micro attachment

for projecting liquid or melting objects at magnifications of up to 2400 x on the screen.

Simply by rotating the revolving objective nosepiece it is possible to project the microscope image on the screen at three stages of magnification, from general features to finest details.

Large vertical micro attachment

consisting of:

attachment mount with reflex housing, guide rails and deflecting mirror*, microscope carrier with locking device, adjustable condenser lens, object stage with clips, microscope tube, and triple objective revolving nosepiece with 3.5/0.10, 10/0.25 and 25/0.50 objectives, 4 x Huygens projection eyepiece

Cat. No.

Weight
in kg.

32 807

4 lb. 10³/₄ oz. 2.120

Additional items:

2x projection eyepiece 37 300
4x Huygens projection eyepiece, separate . 37 301

3¹/₄ oz. 0.090
2 oz. 0.060

When using the micro attachment on the PRADO 66, the aspherical condenser lens "6 x 6" must be replaced by the "5 x 5" lens. Aspherical condenser lens "5 x 5" in mount, separate

37 819

2 oz. 0.060

Attachments for PRADOVIT see p. 86.

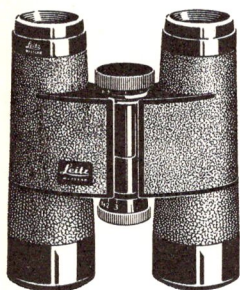
* Attachment mount with reflex housing, guide rails and deflecting mirror, separate

32 852

2 lb. 2¹/₂ oz. 0.980

(VF)

TRINOVID®, a new type of binoculars: outstanding optical performance, large-field eyepieces, stylish, convenient design, light-weight, fits unobtrusively in the inside jacket pocket, internal focusing, shockproof, dust- and waterproof.



7 x 35 B TRINOVID

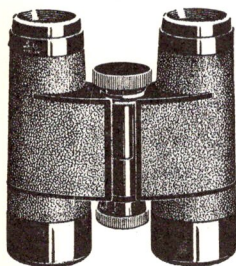
High-power binoculars particularly suitable for spectacle wearers and hunters
Magnification: 7 x
Objective diameter: 35mm
Diameter of exit pupil: 5mm
Twilight factor: 15,6
Light transmitting power: 25
Field of view: 150m at 1000m distance
(165 yds. at 1100 yds.)
8,6°
Dimensions: Height approx. 133mm (5³/₄"")
Width approx. 117mm (4¹/₂"")

7x35 B TRINOVID

	Cat. No.	Weight in kg.
with carrying strap and flat cowhide case . .	40 216	1lb. 3 oz. 0.540
with carrying strap and soft-leather sport case	40 217	1lb. 3 oz. 0.540

Accessories for TRINOVID 7x35 B

Flat cowhide case with carrying strap	42 186	7 ¹ / ₂ oz. 0.210
Soft-leather sports case	42 187	3 ¹ / ₄ oz. 0.090
Eyepiece shield (replacement)	42 132	1 ¹ / ₈ oz. 0.003



8 x 32 TRINOVID

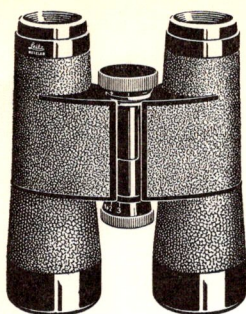
Universal binoculars with wide angle effect for travel, hiking, mountaineering, sport
Magnification: 8 x
Objective diameter: 32mm
Diameter of exit pupil: 4mm
Twilight factor: 16
Light transmitting power: 16
Field of view: 150m at 1000m distance
(165 yds. at 1100 yds.)
8,6°
Dimensions: Height approx. 115mm (4¹/₂"")
Width approx. 115mm (4¹/₂"")

8x32 TRINOVID

with carrying strap and flat cowhide case . .	40 206	1 lb. 1 ¹ / ₄ oz. 0.490
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8x32 TRINOVID

with carrying strap and soft-leather sports case	40 207	1 lb. 1 ¹ / ₄ oz. 0.490
--	--------	---



10 x 40 TRINOVID

High-power binoculars particularly suitable for mountains and sea, hiking, sport

Magnification: 10 x

Objective diameter: 40mm

Diameter of exit pupil: 4mm

Twilight factor: 20

Light transmitting power: 16

Field of view: 122m at 1000m distance
(135 yds. at 1100 yds.)

7°

Dimensions: Height approx. 140mm (5³/₄"

Width approx. 122mm (4⁷/₈"

10 x 40 TRINOVID

with carrying strap and flat cowhide case .	40 211	ca. 1 lb. 3 ¹ / ₂ oz.	0.550
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10 x 40 TRINOVID

with carrying strap and soft-leather sports case	40 212	ca. 1 lb. 3 ¹ / ₂ oz.	0.550
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Accessories for TRINOVID binoculars

Flat case with carrying strap for 6x24 TRINOVID (cowhide)	42 182	6 ¹ / ₂ oz.	0.180
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Soft-leather sports case for 6x24 TRINOVID	42 183	2 oz.	0.060
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Flat case with carrying strap for 8x32 TRINOVID (cowhide)	42 180	7 oz.	0.200
--	--------	-------	-------

Soft-leather sports case for 8x32 TRINOVID	42 181	2 ¹ / ₂ oz.	0.070
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Flat case with carrying strap for 10x40 TRINOVID (cowhide)	42 184	8 ³ / ₄ oz.	0.250
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Soft-leather sports case for TRINOVID 10x40	42 185	2 ³ / ₄ oz.	0.075
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Haze- and tropical filter (yellow)	42 001	1/4 oz.	0.005
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Light-cutting filter (grey)	42 016	1/4 oz.	0.005
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Solar observation filter (absorption 99.99 %) .	42.021	1/4 oz.	0.005
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Rainguard, rubber	42 101	1 oz.	0.030
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For spectacle wearers:

Eyepiece shield, top part (replacement) *	42 127	1/8 oz.	0.003
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Eyepiece shield, base (replacement) *	42 128	1/8 oz.	0.003
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Carrying strap (replacement)	42 146	1/2 oz.	0.015
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Anti-slip pad for strap	42 150	3/4 oz.	0.020
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* Both parts are required for the following TRINOVIDS with single-part eyepiece shields:
6x24 under No. 646 101
8x32 under No. 647 101
10x40 under No. 645 921

Tables

Misellaneu

Flash setting values

▼	LEICA below No. 360 000		LEICA above No. 360 001		LEICA I f, II f, III f	
	Shutter speed	Contact No.	Shutter speed	black contact No.	Shutter speed	red contact No.
 XM 1 PF 1	$\frac{1}{20}$ $\frac{1}{30}$	14 13	$\frac{1}{15} - \frac{1}{20}$ $\frac{1}{30}$	9 16	$\frac{1}{15}$ $\frac{1}{25}$ $\frac{1}{50}$	2 5 10
 PF 5	$\frac{1}{20} - \frac{1}{30}$ $\frac{1}{40}$	14 11	$\frac{1}{15} - \frac{1}{30}$ $\frac{1}{40}$	16 11	$\frac{1}{15}$ $\frac{1}{25}$ $\frac{1}{50}$ $\frac{1}{75}$	2 14 11 5
 AG 1	$\frac{1}{20}$ $\frac{1}{30}$ $\frac{1}{40}$ $\frac{1}{60}$	10 12 8 5	$\frac{1}{15} - \frac{1}{20}$ $\frac{1}{30}$ $\frac{1}{40}$ $\frac{1}{60}$	8 11 8 5	$\frac{1}{15}$ $\frac{1}{25}$ $\frac{1}{50}$ $\frac{1}{75}$	2 9 8 3
 GE 5 25	$\frac{1}{20} - \frac{1}{30}$ $\frac{1}{40}$ $\frac{1}{60}$ $\frac{1}{100}$	14 11 9 7	$\frac{1}{15} - \frac{1}{30}$ $\frac{1}{40}$ $\frac{1}{60}$ $\frac{1}{100}$ $\frac{1}{200}$	16 11 8 5,5 4	$\frac{1}{15}$ $\frac{1}{25}$ $\frac{1}{50}$ $\frac{1}{75}$ $\frac{1}{100}$ $\frac{1}{200}$ $\frac{1}{500}$	2 14 11 6 4 2 1
 M 3	$\frac{1}{20}$ $\frac{1}{30}$ $\frac{1}{40}$ $\frac{1}{60}$	14 13 12 10	$\frac{1}{15} - \frac{1}{20}$ $\frac{1}{30}$ $\frac{1}{40}$ $\frac{1}{60}$	9 15 11 8	$\frac{1}{15}$ $\frac{1}{25}$ $\frac{1}{50}$ $\frac{1}{75}$	2 7 10 6
 Alle	T, 1 \rightarrow $\frac{1}{8}$ B	6 9	B, T 1 \rightarrow $\frac{1}{10}$	6	B, T 1 \rightarrow $\frac{1}{10}$	2
 Electronic flash	$\frac{1}{30}$ T, 1 \rightarrow $\frac{1}{20}$ B	0 4 6,5	$\frac{1}{30}$ T, 1 \rightarrow $\frac{1}{20}$ B	2 2 6	$\frac{1}{50}$ T, 1 \rightarrow $\frac{1}{25}$ B	20 0 2

LEICA		M 3 below No. 854 000		I g, III g	
			B → 1/50	B red (= 1/30) (= 1/50)	For T, 1 - 1/15 set fast shutter speed knob at (next to 31 -).
Flash lamps	AG 1 M 2		B → 1/25	B red (= 1/30)	
	XM 1 PF 1		B → 1/50	B → 1/60 *	
	PF 5		B → 1/100	B → 1/60 *	
	GE 5 25		B → 1/500	B → 1/500 *	
	M 3		B → 1/100	B → 1/125 *	

* In addition to setting red or black arrow.

LEICA		MD, M 1, M 2, M 3 above No. 854 001	
Electronic-flash			B → (= 1/50)
Flash lamps	AG 1 M 2		B → 1/30
	XM 1 PF 1		B → 1/60
	PF 5		B → 1/60
	GE 5 25		B → 1/500
	M 3		B → 1/125

= contact bush for electronic flash

= contact bush for flash bulbs

LEICAFLEX

Electronic-flash		B → (= 1/100)	 Contact (top)
Flash lamps	M 2	1 → 1/30	
	XM 1 PF 1 PF 5	1 → 1/125	 Contact (bottom)
	GE 5 25 M 3	1 → 1/250	
	AG 1	1 → 1/60	

Projection Table

Projection distances and screen image sizes for the 24 x 36mm miniature format.

A square screen is necessary for the projection of upright and horizontal subjects. Its length is given in the above table.

For the projection of 38 x 38mm slides the given values have to be increased by about 10 %.

		Focal lengths of projection lens in mm									
		35	50	90	100	120	150	175	200	250	300
Projection distance in ft., ins.	7'	6' 7"	4' 9"								
	10'	9'10"	7' 1"	3' 9"	3' 5"						
	13'	13' 1"	9' 2"	5' 1"	4' 7"	3'11"					
	16'		11' 6"	6' 7"	5'11"	4'11"	3'11"				
	20'		13' 9"	7' 8"	7' 1"	5'11"	4' 7"	4' 3"			
	23'			9'	8' 3"	6'11"	5' 5"	4' 9"			
	26'			10' 4"	9' 4"	7' 8"	6' 3"	5' 5"	4' 7"		
	30'			11' 6"	10' 6"	8'10"	7' 1"	6' 1"	5' 3"		
	33'			12'10"	11' 8"	9'10"	7'10"	6'11"	5' 9"	4' 7"	
	36'				12'11"	10'10"	8' 6"	7' 5"	6' 5"	5' 1"	
	39'				14' 1"	11'10"	9' 4"	8' 2"	6'11"	5' 7"	4' 7"
	43'					12'10"	10' 2"	8'10"	7' 7"	6' 1"	4'11"
	46'					13' 9"	11'	9' 6"	8' 2"	6' 7"	5' 5"
	49'						11' 8"	9'10"	8' 8"	7' 1"	5' 9"
	52'						12' 2"	10' 8"	9' 4"	7' 5"	6' 1"
	56'							11' 6"	9'10"	7'10"	6' 7"
	59'							12' 4"	10' 6"	8' 4"	6'11"
	62'							13' 1"	11' 2"	8'10"	7' 3"
	66'							13' 9"	11'10"	9' 4"	7' 9"
	69'								12' 4"	9'10"	8'
	72'								12'10"	10' 4"	8' 4"
	82'								14' 9"	11'10"	9' 6"
	98'									14' 1"	11' 6"
	115'										13' 5"

Projection distances and screen image sizes for the 6x6cm (2 $\frac{1}{4}$ x 2 $\frac{1}{4}$ ") and 7x7cm (2 $\frac{3}{4}$ x 2 $\frac{3}{4}$ ") format (transparency size 54x54mm)

		Focal lengths of projection lens in mm				
		150	175	200	250	300
Projection distance in ft., ins.	10'	3' 5"				
	13'	4' 7"	4' 1"	3' 5"		
	16'	5' 9"	5' 1"	4' 3"	3' 5"	
	20'	7' 1"	6' 1"	5' 3"	4' 1"	3' 7"
	23'	8' 2"	7' 1"	6' 1"	4' 9"	4' 1"
	26'	9' 4"	8'	6' 11"	5' 7"	4' 9"
	30'	10' 6"	9' 2"	7' 10"	6' 3"	5' 3"
	33'	11' 8"	10' 2"	8' 8"	6' 11"	5' 11"
	36'	12' 11"	11' 4"	9' 6"	7' 7"	6' 7"
	39'	14' 1"	12' 4"	10' 6"	8' 4"	7' 1"
	43'		13' 1"	11' 6"	9'	7' 9"
	46'		14' 1"	12' 4"	9' 10"	8' 2"
	49'			13' 1"	10' 6"	8' 10"
	52'			14' 1"	11' 2"	9' 6"
	56'				11' 10"	10'
	59'				12' 8"	10' 8"
	62'				13' 3"	11' 4"
	66'				14' 1"	11' 10"
	69'					12' 4"
	72'					13'
	82'					14' 9"
	98'					
	115'					

Large Micro attachment

	Projection dist. in m, ft., ins.	Screen image size in m, ft., ins.	Reproduction ratio Lens		
with 2x eyepiece	6' 8" 2.00	2' 4" 0.70	3.5/0.10	10/0.25	25/0.50
	10' 3.00	3' 6" 1.05	112 : 1	320 : 1	800 : 1
	13' 4" 4.00	4' 8" 1.40	168 : 1	480 : 1	1200 : 1
	16' 8" 5.00	5' 10" 1.75	224 : 1	640 : 1	1600 : 1
	20' 6.00	7' 2.10	280 : 1	800 : 1	2000 : 1
with 4x eyepiece	10' 3.00	1' 10" 0.55	336 : 1	960 : 1	2400 : 1
	13' 4" 4.00	2' 4" 0.70	84 : 1	240 : 1	600 : 1
	16' 8" 5.00	3' 0.90	112 : 1	320 : 1	800 : 1
	20' 6.00	3' 6" 1.05	140 : 1	400 : 1	1000 : 1
	23' 7.00	4' 2" 1.25	168 : 1	480 : 1	1200 : 1
	27' 8.00	4' 8" 1.40	196 : 1	560 : 1	1400 : 1
	30' 9.00	5' 4" 1.60	224 : 1	640 : 1	1600 : 1
	33' 10.00	5' 10" 1.75	252 : 1	720 : 1	1800 : 1
	37' 11.00	6' 6" 1.95	280 : 1	800 : 1	2000 : 1
	40' 12.00	7' 2.10	308 : 1	880 : 1	2200 : 1
			336 : 1	960 : 1	2400 : 1

Vertical attachment

	Projection dist. in m, ft., ins.	Screen image size in m, ft., ins.	Reproduction ratio
ELMARON f/2.8 50mm	6' 8" 2.00	6' 4" 1.90	39 : 1
	10' 3.00	9' 6" 2.85	59 : 1
	13' 4" 4.00	12' 8" 3.80	79 : 1
	20' 6.00	19' 5.70	119 : 1
COLORPLAN f/2.5 90mm	6' 8" 2.00	3' 4" 1.00	21 : 1
	10' 3.00	5' 2" 1.55	32 : 1
	13' 4" 4.00	7' 2.10	43 : 1
	20' 6.00	10' 8" 3.20	66 : 1
ELMARON f/2.8 100mm	6' 8" 2.00	3' 0.90	19 : 1
	10' 3.00	4' 8" 1.40	29 : 1
	13' 4" 4.00	6' 4" 1.90	39 : 1
	20' 6.00	9' 6" 2.85	59 : 1

Projection distance and screen image size

Episcope Vz 2

Standard version

Lens	Projection distance in ft., m.							
	10ft.	3m	13ft. 4 in.	4m	16ft. 8in.	5m	20ft.	6m
EPIS f/3.6 325mm	4ft. 4in.	1.30	6ft.	1.80	7ft. 8in.	2.30		
EPIS f/4 400mm	3ft. 6in.	1.05	4ft. 10in.	1.45	6ft. 2in.	1.85	7ft. 6in.	2.25

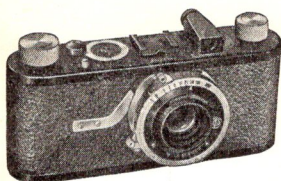
Special version for graphic subjects

Lens	Projection distance in ft., m.							
	3ft. 4in.	5ft.	6ft. 2in.	7ft. 8in.	10ft.	13ft. 4in.	16ft. 8in.	
	1m	1.5m	1.85m	2.3m	3m	4m	5m	
EPIS f/3.6 325mm	1ft. 2in.	1ft.10in.	2ft. 6in.	3ft. 4in.	4ft. 4in.	6ft.	7ft. 8in.	
	0.35m	0.55m	0.75m	1m	1.3m	1.8m	2.3m	
	lens inverted				lens in normal position			

Epidiascope Vh 2

Type of production focal length of lenses	Projection distance in ft., in. and m (Projection screen to front of projector base)				
	13ft. 4in.	16ft. 8in.	20ft.	23ft. 4in.	26ft. 8in.
	4	5	6	7	8
Episcopy	Screen image size for epi-side 19cm (7 ⁵ / ₈ ")				
400mm object field 16 x 19cm (6 ³ / ₈ x 7 ⁵ / ₈ ")	6ft. 2in. 1.85	7ft. 8in. 2.30	9ft. 4in. 2.80	10ft. 10in. 3.25	
500mm object field 16 x 19cm (6 ³ / ₈ x 7 ⁵ / ₈ ")	4ft. 10in. 1.45	6ft. 1.80	7ft. 4in. 2.20	8ft. 6in. 2.55	9ft. 10in. 2.95
Diascopy					
Side of transparency 8.5cm (3 ³ / ₈ ")	4ft. 8in. 1.40	6ft. 1.80	7ft. 2in. 2.15	8ft. 4in. 2.50	
200mm Side of transparency 10.0cm (4")	5ft. 8in. 1.70	7ft. 2in. 2.15	8ft. 6in. 2.55	10ft. 3.00	
Side of transparency 12.0cm (4 ⁷ / ₈ ")	6ft. 10in. 2.05	8ft. 8in. 2.60	10ft. 6in. 3.15	12ft. 4in. 3.70	
Side of transparency 8.5cm (3 ³ / ₈ ")	3ft. 8in. 1.10	4ft. 8in. 1.40	5ft. 8in. 1.70	6ft. 8in. 2.00	7ft. 8in. 2.30
250mm Side of transparency 10.0cm (4")	4ft. 4in. 1.30	5ft. 6in. 1.65	6ft. 8in. 2.00	7ft. 10in. 2.35	9ft. 2in. 2.75
Side of transparency 12.0cm (4 ⁷ / ₈ ")	5ft. 4in. 1.60	6ft. 8in. 2.00	8ft. 2in. 2.45	9ft. 8in. 2.90	11ft. 2in. 3.35

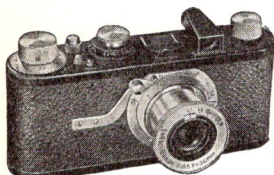
List of the LEICA models



3963

Compur LEICA

Black enamelled, non-interchangeable ELMAR f/3.5 50mm lens, Compur shutter with speeds from 1 to $\frac{1}{300}$ sec. Separate shutter wind and film transport. Available from 1926 onwards.

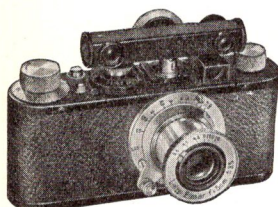


3964

LEICA I

(without interchangeable mount)

First basic LEICA model, black enamelled, **non-interchangeable ELMAR f/3.5 50mm lens**, with locking spring for the infinity position, slip-on rangefinder. Focal plane shutter, $\frac{1}{20}$ to $\frac{1}{500}$ sec. and time exposure setting. Available from 1925 onwards.

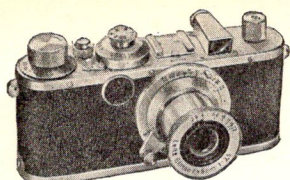


3965

LEICA I

(with interchangeable mount)

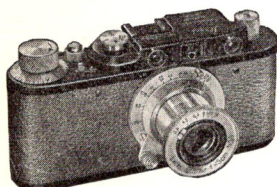
Camera with **interchangeable lens**. Lens flange and lens screw mount not yet standardized. Available from 1930. Lens flange and lens mount standardized in models of serial no. 60 500 and above. Available from 1931 onwards.



3966

Standard LEICA

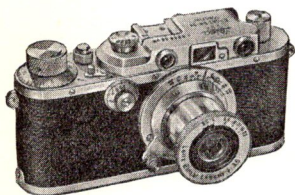
Black enamelled or chromium finished, interchangeable lens, clip-on rangefinder, focal plane shutter $\frac{1}{20}$ to $\frac{1}{500}$ sec., extending rewind knob.
Serial Nos. above 100 000.
Available from 1932 onwards.



3967

LEICA II

Black enamelled or chromium finished, with built-in coupled rangefinder, focal plane shutter $\frac{1}{20}$ to $\frac{1}{500}$ sec. and time exposure.
Serial nos. above 71 500.
Available from 1932 onwards.



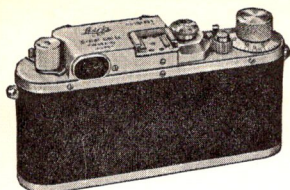
3968

LEICA III

As model II, with extended range of shutter speeds from 1 to $\frac{1}{500}$ sec., rangefinder with magnifying eyelens (1.5x), eyelets at sides for carrying strap.
Serial nos. above 109 000.
Available from 1933 onwards.

LEICA III a

As model III, with additional shutter speed $\frac{1}{1000}$ sec.
Serial nos. above 156 201.
Available from 1935 onwards.



3969

LEICA III b

As model III a, with twin eyelens for viewfinder and rangefinder.

The lever for adjusting the magnification of the rangefinder eyelens next to the rewind knob.

Serial nos. above 240 017.

Available from 1938 onwards.

LEICA 250

Camera otherwise as III a,

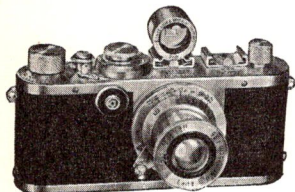
for reporters with enlarged cassette spaces (cassettes for 10m (33 ft.) film).

LEICA I c

Shutter speeds from $\frac{1}{30}$ to $\frac{1}{500}$ sec. and time exposures, clip-on brilliant viewfinder and rangefinder, interchangeable lens.

Serial nos. above 455 000.

Available from 1949 onwards.



3470

LEICA I f

(black synchronizing dial)

As model I c, fully synchronized. Film indicator built into the film winding knob.

Serial nos. above 562 000.

Available from 1952 onwards.

LEICA I f

(red synchronizing dial)

As above, with international shutter speed series of $\frac{1}{25}$, $\frac{1}{50}$ sec., etc.

Serial nos. from 564 001.

Available from 1952 onwards.

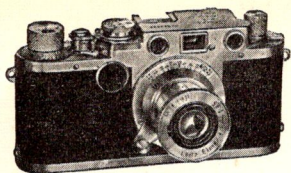
LEICA II c

As model I c, with built-in coupled rangefinder,

shutter speeds from $\frac{1}{30}$ to $\frac{1}{500}$ sec. and time exposures.

Serial nos. above 440 000.

Available from 1948 onwards.



3471

LEICA II f

(black synchronizing dial)

As model II c, with built-in full flash synchronization, film winding knob with film indicator.

From serial no. 451 000.

Available from 1951 onwards.

LEICA II f

(red synchronizing dial)

As above, with international shutter speed scale: $\frac{1}{25}$, $\frac{1}{50}$ to $\frac{1}{1000}$ sec. and time exposures.

Serial nos. above 574 401.

Available from 1952 onwards.

LEICA III c

As model II c, with extended shutter speeds from 1 to $\frac{1}{1000}$ sec. and time exposures.

Serial nos. above 360 000.

Available from 1940 onwards.



2601

LEICA III f

(black synchronizing dial, without self-timer)

As model III c, with built-in full flash synchronization, and film indicator in film winding knob.

Serial nos. above 525 000.

Available from 1950 onwards.

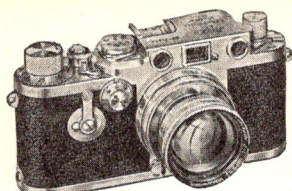
LEICA III f

(red synchronizing dial, without self-timer)

As above, international shutter speed range.

Serial nos. above 615 000.

Available from 1952 onwards.

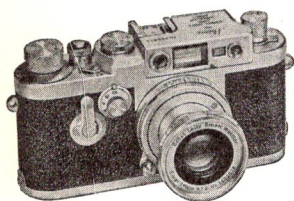


2896

LEICA III f

(with self-timer)

As model III f with red synchronizing dial,
with self-timer of approx. 12 seconds' delay.
Serial nos. above 685 000.
Available from 1954 onwards.

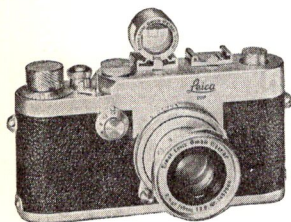


LEICA III g

differs from the LEICA III f in the following technical features:

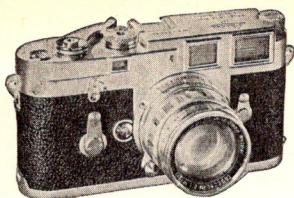
- 1) Large brilliant-frame finder with automatic parallax compensation,
- 2) shutter speeds graded geometrically,
- 3) fully automatic synchronization (without contact numbers),
- 4) film indicator on the back of the camera body.

Serial nos. above 825 001.
Available from 1957 onwards.



LEICA I g

Basically the same design as that of the LEICA III g.
Without built-in rangefinder and self-timer.
Serial nos. above 887 001.
Available from 1957 onwards.



LEICA M 3

Brilliant-frame finder with automatic parallax compensation, automatically reflected image frames for 50, 90, and 135mm focal lengths (35mm frame obtained by use of 35mm lens with finder attachment).

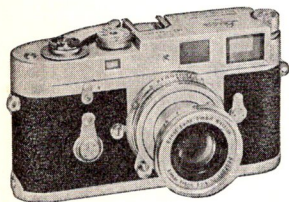
Bayonet mount for lens changing. Shutter speed knob engages at each setting from 1 to $\frac{1}{1000}$ sec. Attachable exposure meter with direct shutter coupling.

Film counter automatically sets at 0 on changing films. Hinged back.

From 1956 with field selector.

Serial nos. above 700 001.

Available from 1954 onwards.



LEICA M 2

As M 3, with the following structural differences:

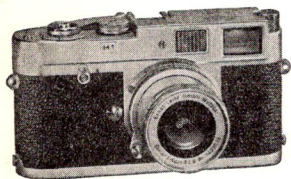
Automatically reflected image frames for focal lengths of 35, 50, and 90mm.

Film counter must be returned to 0 by hand.

Available with self-timer from 1959.

Serial nos. above 926 001.

Available from 1958 onwards.



LEICA M 1

No rangefinder system. Fields of view for 35 and 50mm are shown permanently and compensated for parallax in the brilliant-frame finder. Otherwise as M 2.

Serial nos. above 950 001.

Available from 1959 onwards.

Blocks of illustrations will be supplied free of charge for publication; please state the block numbers set in small type next to or below the illustrations. The illustrations contained in this general catalogue are not binding in every detail.

ERNST LEITZ GMBH WETZLAR GERMANY

Subsidiary: Ernst Leitz (Canada) Ltd., Midland, Ontario

Ernst Leitz (Instruments) London

List 10 - 1/Engl.

Printed in Germany

V/66/FLX/B