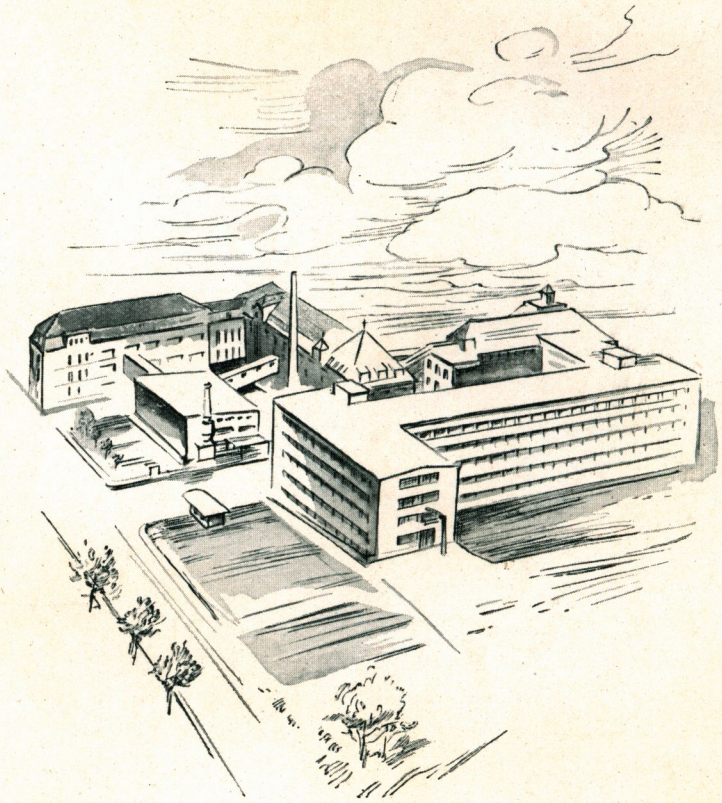
ZEISS IKON

Cameras

AND ACCESSORIES

ZEISS
IKON



From 1948 onwards the ZEISS IKON CONTESSA WORKS *in Stuttgart has been the headquarters of the* ZEISS IKON A.G. *Upwards of 2500 workers and employees are at present working in this main factory – recently enlarged by a huge new wing – manufacturing the precision and high quality cameras and accessories which have made the name of* ZEISS IKON *famous throughout the world.*

This photo catalogue issued by ZEISS IKON A.G. gives a comprehensive survey on the entire ZEISS IKON production program.

The firm of ZEISS IKON and its predecessors date back some 90 years. In fact, when the ZEISS IKON A.G. was founded in 1926, i.e. when the world famous firms of CONTESSA-NETTEL, ERNEMANN, GOERZ, and ICA were amalgamated under the initiative of Carl Zeiss, Jena, the associated firms already possessed a 60-year tradition. Their names were, and the name of ZEISS IKON is known throughout the world as a guarantee for supreme precision, mechanical craftsmanship and matchless photographic performance. As may be seen from this new catalogue, ZEISS IKON A.G. STUTTGART offers a large and comprehensive production program, including cameras of all types and price levels from the low-priced BOX TENGOR to the perfected miniature cameras CONTAX IIa and IIIa. Almost all the leading camera manufacturers of the world have specialized in a certain field and have confined their manufacturing programs to the production of a limited range of camera types, but as in the past, ZEISS IKON A.G. STUTTGART desires to meet the wishes of amateur and professional photographers alike by offering a comprehensive variety of cameras, each model ensuring utmost photographic performance in each price range. In pursuing this policy ZEISS IKON desires to give people in all walks of life a chance to derive the maximum pleasure from, and to achieve worth while photographic work with, any camera they can afford.

ZEISS IKON

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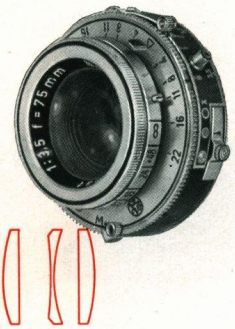
THE LENSES OF ZEISS IKON CAMERAS

FRONTAR

Two-lens Achromat — Speed f/9



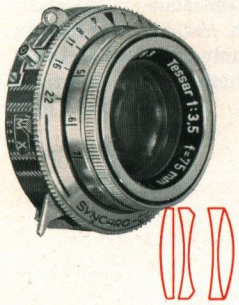
NOVAR

Three-lens Anastigmat

Distinguishing letter E — Speed f/6.3

" " J — " f/4.5

" " F — " f/3.5



ZEISS-TESSAR

Four-lens Anastigmat, hind lens cemented

Distinguishing letter L — Speed f/3.5

" " P — " f/2.8

A detailed description of the special CONTAX lenses is contained on the pages 38 and 39.

BUBBLES IN PHOTOGRAPHIC LENSES

Customers are sometimes annoyed at small air bubbles in photographic lenses, assuming that the bubbles constitute a manufacturing fault which might impair the performance of the lens.

Certain types of optical glass cannot be produced free from small air bubbles. Yet it is just these types which permit improvement of the optical performance of photographic objectives. Therefore, such glasses have for many years been used in the manufacture of photographic lenses, provided the number, size, and position of the bubbles did not exceed certain narrow tolerances.

We guarantee that within the tolerances established by Zeiss Opton, the small bubbles remain without any practical effect on the performance of the lenses.

Even under the most unfavourable circumstances, the loss of light caused by such small bubbles would be less than 1 %. As a rule it remains beneath 0.1 %. If you consider, for instance, that a reduction of the aperture of only 1/3 of a lens stop results in decreasing the light transmission by about 26 % (the same would result from a rather small variation in film speeds), it will be evident that the small bubbles allowed in our lenses have only a negligible effect.

THE SHUTTERS OF ZEISS IKON CAMERAS

Vario

SPECIAL SHUTTER

for BOX TENGOR. Permits unlimited time exposures (B) and action shots of 1/30 sec. Built in flash synchronization contact.

VARIO

symbol: v

for time exposures (B) and action photographs with shutter speeds 1/25, 1/75, 1/200 sec. Built-in flash synchronization contact. When used with flash bulb, 1/25 sec shutter speed must be used.

Pronto

PRONTO

symbol: ts

for time exposures (B) and action photographs of 1/25, 1/50, 1/100, 1/200 sec. Built-in delayed action release and flash synchronization contact. When used with flash bulb, 1/25 sec shutter speed must be used.

Prontor S

PRONTOR S

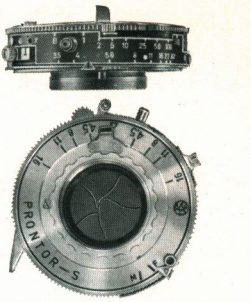
symbol: ps

for time exposures (B) and action photographs of 1, 1/2, 1/5, 1/10, 1/25, 1/50, 1/100, 1/250 sec. (with shutter size '0') and 1/300 (with shutter size '00'). Built-in delayed action shutter release and flash synchronization contact. When used with flash bulb a shutter speed not shorter than 1/25 sec is to be used.

PRONTOR-SV WITH FULL SYNCHRONIZATION

symbol: pms

for time exposures (B) and action photographs with shutter speeds of 1, 1/2, 1/5, 1/10, 1/25, 1/50, 1/100, 1/250 sec (with shutter size '0') and 1/300 sec (with shutter size '00'). Built-in delayed action release. Thanks to the built-in ignition delay, all standard flash equipment and all shutter speeds can be used in flash photography.

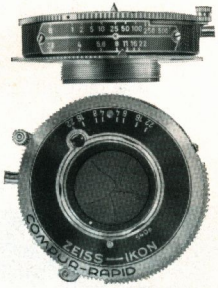


Prontor-SV with full synchronization

COMPUR-RAPID

symbol: 00: cr
0: csr

for time exposures (B) and action photographs with shutter speeds of 1, 1/2, 1/5, 1/10, 1/25, 1/50, 1/100, 1/200, 1/400 sec (with size '0') or 1/250 and 1/500 sec (with size '00'). Shutters of size '0' have built-in delayed action release. When flash synchronization contact is used with flash bulbs, shutter speeds not faster than 1/25 sec must be used.



Compur-Rapid

SYNCHRO-COMPUR

symbol: 00: cm
0: cms

for time exposures (B) and action photographs with shutter speeds of 1, 1/2, 1/5, 1/10, 1/25, 1/50, 1/100, 1/250, 1/500 sec. Size '0' has built-in delayed action release. Thanks to the built-in flash synchronization, synchronized shots can be taken with all types of flash equipment and with all shutter speeds.

Between lens shutters permit the use of electronic flash equipment even with the shortest shutter speeds.

Synchro-Compur

ALL-METAL CONTAX FOCAL PLANE SHUTTER

for time exposures (T and B) and action photographs of 1, 1/2, 1/5, 1/10, 1/25, 1/50, 1/100, 1/250, 1/500, 1/1250 sec. The all-metal focal plane shutter of the CONTAX IIa and IIIa has built-in delayed action release and flash synchronization contacts. Flash bulbs are fired with screw-on synchro-attachment. When using electronic flashes, the required ignition delay can be achieved with the synchro-attachment. Both types of flashes should be used with 1/25 sec shutter speed. With a special synchronization attachment, which is being designed, all long-duration flashes can be fired with all shutter speeds.

PICTURE SIZES

SAMPLES

1″ × 1 1/2″
24 × 36 mm

1 3/4″ × 2 1/4″
4.5 × 6 cm

2 1/4″ × 3 1/2″
6 × 9 cm

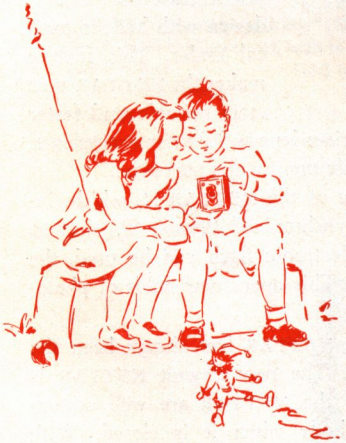
2 1/4″ × 2 1/4″
6 × 6 cm

BOX-TENGOR

$2^{1}/_{4}'' \times 3^{1}/_{4}''$ (6×9 cm) with Frontar Achromat f/9

Generations of photographers began learning the art of photography with this classic Box Camera. Many noval features have been added to the original BOX TENGOR model but it remains an easy-to-use camera, guaranteeing successful photography in all reasonable lighting conditions. The new BOX TENGOR is even quite suitable for colour and flash photography. Thanks to special built-in lenses the colour corrected, factory (T) coated achromatic lens of two glasses cemented together, with diaphragm settings f/9, f/11, and f/16 can be focused for medium distances and close-ups thanks to the built-in supplementary lenses. Double exposures, which beginners are so prone to make, are prevented by the automatic film and shutter release lock. In addition, the shutter release can be locked to prevent unintentional release when carrying the camera. Shutter permits action photographs as well as time exposures and has a built-in flash synchronization contact, thus even flash action shots can be taken with the new BOX TENGOR.

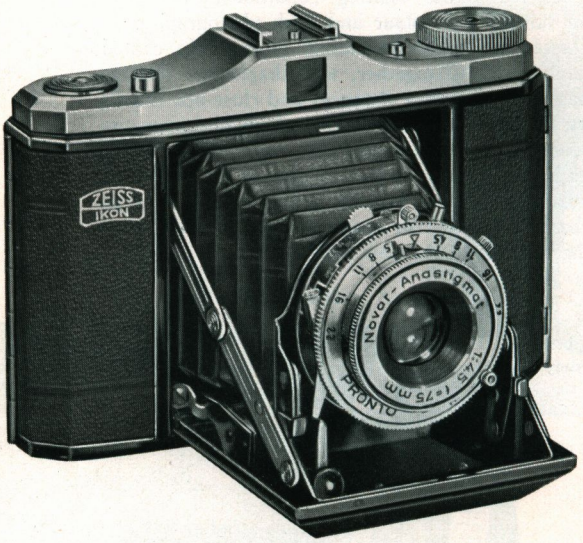
BOX-TENGOR	$2^{1}/_{4}'' \times 3^{1}/_{4}''$	Size: $4^{9}/_{16}'' \times 4^{3}/_{16}'' \times 2^{7}/_{8}''$
	6×9 cm	11.5×10.5×7.2 cm
Weight: 550 g, $19^{1}/_{4}$ ozs.		Cat. No 56/2
Eveready Carrying Case		Cat. No 1227/2



NETTAR II

$2^{1}/_{4}'' \times 2^{1}/_{4}''$ and $2^{1}/_{4}'' \times 3^{1}/_{4}''$

6×6 cm 6×9 cm



This popular ZEISS IKON Camera, which has stood the test of many years of practical photographic work, appears now in a new design with built-in optical finder. This feature makes the NETTAR even more suitable and faster for snapshots. The NETTAR II appears in various lens and shutter equipments, so that the amateur can find the most suitable one for his purposes.

The chromium-plating increases the elegance of the NETTAR II, which, incidentally, is also available with the fully synchronized Prontor-SV shutter. With this shutter all types of flash and electronic flash can be used, the latter in conjunction with all shutter speeds. This opens new fields of photography to every NETTAR II owner.

Thanks to its streamlined handy shape, the NETTAR has always been the favourite collapsible camera with amateurs. The new elegant NETTAR is easily pocketable. All the delicate parts of the NETTAR are well accommodated and protected in the NETTAR body when it is closed. With a slight pressure on the opening knob the NETTAR erects itself, automatically springing into the taking position.

The reliable ZEISS IKON red-dot setting marks on the diaphragm and distance setting scales ensure splitsecond readiness for snapshots. Even the most inexpensive of the NETTAR models has a convenient body shutter release. A special viewfinder shoe permits attachment of photographic accessories. The excellent, coated, and colour corrected NOVAR-Anastigmat renders needle-sharp negatives suited for big enlargements. Most NETTAR models have built-in delayed action release. Filters may remain on the lens even when the camera is closed. From a depth of field scale the NETTAR owner can ascertain at a glance the depth of field for any given lens aperture and distance setting. All these features mark the NETTAR II as an ingeniously designed camera which will be a source of constant pleasure for every amateur.
The NETTAR $2^1/_4" \times 3^1/_4"$ renders 8 pictures and the NETTAR II $2^1/_4" \times 2^1/_4"$, 12 pictures on rollfilm (B II/8).

NETTAR II $2^1/_4" \times 2^1/_4"$ (6×6 cm) Size: $5^5/_{16}" \times 3^{12}/_{16}" \times 1^{11}/_{16}"$ Weight: 550 g $19^1/_4$ ozs.

with NOVAR f/6.3, focal length 3" (75 mm), and VARIO shutter 517/16 Ev
with NOVAR f/4.5, focal length 3" (75 mm), and PRONTO shutter with built-in delayed action release 517/16 Its
with NOVAR f/4.5, focal length 3" (75 mm), and fully synchronized PRONTOR-SV shutter with built-in delayed action release 517/16 Ipms

NETTAR II $2^1/_4" \times 3^1/_4"$ (6×9 cm)

Size: $6^1/_8" \times 3^{15}/_{16}" \times 1^{13}/_{16}"$
Weight: 770 g $27^1/_{16}$ ozs.

with NOVAR f/6.3, focal length $4^1/_8"$ (105 mm), and VARIO shutter 517/2 Ev
with NOVAR f/4.5, focal length $4^1/_8"$ (105 mm), and PRONTO shutter with built-in delayed action release 517/2 Its
with NOVAR f/4.5, focal length $4^1/_8"$ (105 mm), and fully synchronized PRONTOR-SV shutter with built-in delayed action release 517/2 Ipms

ACCESSORIES:

see next page

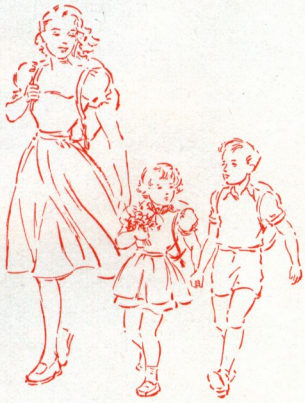
NETTAR I AND II

ACCESSORIES

ACCESSORIES	$2^1/_4$" X $2^1/_4$" 6 x 6 cm Novar f/6.3 No	$2^1/_4$" X $2^1/_4$" 6 x 6 cm Novar f/4.5 No	$2^1/_4$" X $3^1/_4$" 6 x 9 cm Novar f/6.3 No	$2^1/_4$" X $3^1/_4$" 6 x 9 cm Novar f/4.5 No
Eveready Carrying Case for NETTAR II	1231/16	1231/16	1235/2	1234/2
Slip-on filter ∅ 32 mm (yellow, green-yellow, red, orange)	350	350	350	—
Slip-on filter ∅ 37 mm (yellow, green-yellow, red, orange)	—	—	—	322
Screw-on filter ∅ 35.5 mm (yellow, green-yellow, red, orange)	—	371	—	—
Screw-on filter ∅ 40.5 mm (yellow, green-yellow, red, orange)	—	—	—	373
Bernotar slip-on polarising filter				
∅ 32 mm	330	330	330	—
∅ 37 mm	—	—	—	331
Slip-on lens hood ∅ 32 mm	1100	1100	1100	—
Slip-on lens hood ∅ 37 mm	—	—	—	1101
Slip-on supplementary lenses ∅ 32 mm				
focal length 80" (2 m) (0.5 dioptre)	—	—	975/2	
focal length 40" (1 m) (1 dioptre)	975/1	975/1	975/1	
focal length 20" (0.5 m) (2 dioptres)	975/05	975/05	975/05	
Slip-on supplementary lenses 37 mm				
focal length 80" (2 m) (0.5 dioptre)	—	—	—	976/2
focal length 40" (1 m) (1 dioptre)	—	—	—	976/1
focal length 20" (0.5 m) (2 dioptres)	—	—	—	976/05
Special cable release with plunger catch				
for long time exposures	1312/24	1312/24	1312/24	1312/24
IKOBLITZ I (see page 46)	1324	1324	1324	1324
IKOBLITZ II (see page 47)	1356	1356	1356	1356
IKOTRON (see page 48)	1314	1314	1314	1314
IKOPHOT-exposure meter				
(see page 45)	1329	1329	1329	1329

IKONTA

$1'' \times 1\,^{1}/_{2}''$ (24 × 36 mm)



The IKONTA is a handy camera, ideally suited for snapshots, tested over many years and found successful for black and white as well as colour photography. With distance setting 16 ft and diaphragm setting "8", the IKONTA renders sharply everything from 8 ft to 80 ft, a remarkable depth of field which is, indeed, sufficient for nearly all snapshots.

The most important conveniences of the IKONTA are: Double exposure and blank prevention device, red-dot setting for snapshots, depth of field scale, base winding for quick advancement of film; moreover, all settings can be verified from above at a glance.

The excellently colour corrected lenses, well suited for colour photography, are factory coated and all IKONTA shutters, having speeds from 1 to $^{1}/_{300}$ sec, the Compur shutter even $^{1}/_{500}$ sec, have built-in flash synchronization contact.

Whether a photographer makes split-second snapshots or carefully composes a picture, whether he uses black and white or colour film, whether he works in sunshine or merely by the light of an ordinary room lamp: The miniature IKONTA will meet his wishes and expectations.

IKONTA 1" × 1½" 24 × 36 mm — Size: 4¾" × 2⅞" × 1⅝" / Weight: 450 g 15 9/16 ozs. 12 × 7.2 × 4.2 cm

with NOVAR f/3.5, focal length 1⅝" (45 mm), in fully synchronized PRONTOR-SV shutter with built-in delayed action release — 522/24 Fpms

with TESSAR f/2.8, focal length 1⅝" (45 mm), in Synchro-Compur shutter — 522/24 Pcm

IKONTA

ACCESSORIES

ACCESSORIES:	Novar f/3.5 No	Tessar f/2.8 No
Eveready Carrying Case	1213/24	1213/24
Carrying Strap for Camera	Tr 499	Tr 499
Screw-on Filter ∅ 27 mm (yellow, green-yellow, red, orange)	382	382
Screw-on Filter ∅ 32 mm (yellow, green-yellow, red, orange)	350	350
Bernotar Slip-on Polarising Filter ∅ 32 mm	330	330
Screw-on Lens hood ∅ 27 mm	1103	1103
Slip-on Supplementary lenses ∅ 32 mm		
focal length 40" (1 m) (1 dioptre)	975/1	975/1
focal length 20" (0.5 m) (2 dioptres)	975/05	975/05
Special cable release with plunger catch	1312/24	1312/24
IKOBLITZ I (see page 46)	1324	1324
IKOBLITZ II (see page 47)	1356	1356
IKOPHOT exposure meter (see page 45)	1329	1329
IKOTRON (see page 48)	1314	1314

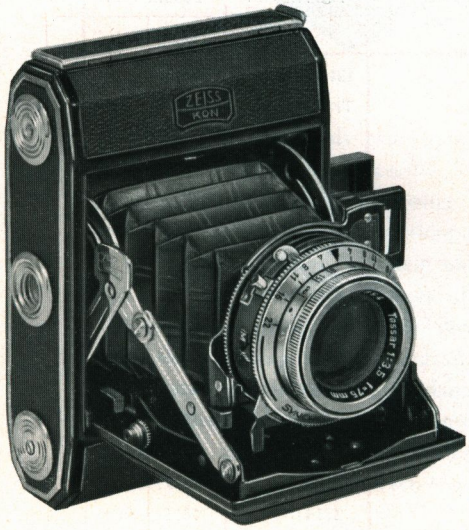
IKONTA I

$1\,^3/_4'' \times 2\,^1/_4''$
4,5×6 cm

Wide photographic possibilities and fool-proof, safe manipulation are the basic characteristics of the IKONTA I. It features instant readiness for snapshots thanks to the 100% automatic self-erecting mechanism, prevention of blurring by jerk free body shutter release, red-dot setting for snapshots, shutter release locking mechanism and signal device preventing double exposures, moreover, distance and diaphragm settings can be easily verified from above at a glance.

Every IKONTA I is equipped with a fast, well colour corrected and factory coated lens. The self-erecting optical viewfinder of the IKONTA I equipped with f/3.5 lens permits good composition of photographs. Photographers who prefer to take pictures at waist level may use a slip-on brilliant finder to be attached to the finder shoe of the lens carrier. Flash action photographs can be made with the aid of the built-in synchro contact which transmits the ignition impulse from the shutter to the flash bulb.

The IKONTA $1\,^3/_4'' \times 2\,^1/_4''$ (4.5×6 cm) camera takes standard B II 8 roll films and gives 16 exposures.



IKONTA I $1\,^3/_4'' \times 2\,^1/_4''$ (4.5×6 cm)
with Novar f/4.5, focal length 3″ (75 mm)
in fully synchronised Prontor-SV shutter
with built-in delayed action release
521 Ipms

with Novar f/3.5, focal length 3″ (75 mm)
in fully synchronised Prontor-SV shutter
with built-in delayed action release
521 Fpms

with Tessar f/3.5, focal length 3″ (75 mm)
in Synchro-Compur shutter
521 Lcm

IKONTA II

$2^{1}/_{4}'' \times 2^{1}/_{4}''$ 6×6 cm and $2^{1}/_{4}'' \times 3^{1}/_{4}''$ 6×9 cm

ZEISS IKON has also developed the IKONTA II model. This camera will fulfill the wishes of many devotees of photography who want to enjoy the advantages of the built-in optical viewfinder.

The IKONTA II is equipped with an automatic lock and a signal device which prevent double exposures, a feature which made the IKONTA the choice of many photographers. The locking mechanism precludes double exposure of the same section of the film while the signal device indicates whether the film has been advanced after the last exposure and whether the camera is ready for a shot. From a depth of field scale the IKONTA II owner can ascertain at a glance the depth of field of sharply rendered objects with any given lens aperture and distance setting.

The novel streamlined shape makes the IKONTA II a most elegant camera. The built-in optical viewfinder furnishes a brilliant and sharply defined image of the view embraced by the camera. Upon a slight pressure on the opening knob the IKONTA II erects itself automatically and is ready for taking the picture. The jerk free body shutter release precludes any camera shake during the exposure. Distance, diaphragm, and exposure time settings can be easily verified from above at a glance. The practical ZEISS IKON red-dot setting makes estimates of distance unnecessary when lighting conditions are good and permits instant snapshots.

The IKONTA II is also equipped with a viewfinder shoe for attachment of photographic accessories. The fast, colour corrected lenses of the IKONTA II render negatives of utmost sharpness and definition, sufficient even for big enlargements. In addition to the IKONTA II with Novar f/3.5, there is also an IKONTA II model equipped with the world famous ZEISS TESSAR f/3.5.

The IKONTA II is available with the new fully synchronized Prontor-SV and Synchro-Compur shutters. The owner of an IKONTA equipped with any of these shutters can couple his camera through the built-in flash synchronization contact with all types of flash bulbs or electronic flash equipment and thus can make flash action photographs.

IKONTA II $2^1/_4'' \times 2^1/_4''$ / 6×6 cm — Size: $5^5/_{16}'' \times 3^{15}/_{16}'' \times 1^{13}/_{16}''$ / $13.5 \times 10 \times 4.5$ cm — Weight: 640 g $22^3/_8$ ozs.

with Novar f/4.5, focal length 3″ (75 mm), in fully synchronized Prontor-SV shutter with built-in delayed action release	523/16 Ipms
with Novar f/3.5, focal length 3″ (75 mm), in fully synchronized Prontor-SV shutter with built-in delayed action release	523/16 Fpms
with Tessar f/3.5, focal length 3″ (75 mm), in Synchro-Compur shutter	523/16 Lcm

IKONTA II $2^1/_4'' \times 3^1/_2''$ / 6×9 cm — Size: $6^1/_8'' \times 3^{15}/_{16}'' \times 1^{13}/_{16}''$ / $15.5 \times 10 \times 4.5$ cm — Weight: 850 g $29^3/_5$ ozs.

with Novar f/4.5, focal length $4^1/_8''$ (105 mm), in fully synchronized Prontor-SV shutter with built-in delayed action release	523/2 Ipms
with Novar f/3.5, focal length $4^1/_8''$ (105 mm), in fully synchronized Prontor-SV shutter with built-in delayed action release	523/2 Fpms
with Tessar f/3.5, focal length $4^1/_8''$ (105 mm), in Synchro-Compur shutter with built-in delayed action release	523/2 Lcms

IKONTA III

$2^1/_4'' \times 2^1/_4''$ and $2^1/_4'' \times 3^1/_4''$
6×6 cm 6×9 cm

The ZEISS IKON A.G. STUTTGART has, in the course of its photographic research work, succeeded in designing cameras which exclude the usual photographic errors and mistakes as regards determining distance and exposure time settings. The CONTESSA, CONTAX IIIa, and SUPER IKONTA II $2^1/_4'' \times 2^1/_4''$ with combined view and range finder coupled with the lens and the built-in exposure meter are the ideal types of cameras for the amateur and professional photographer alike, because they meet all photographic requirements and ensure correctly exposed and focused negatives under all lighting conditions. Therefore, most photographers will endeavour to obtain some day one of these cameras. But these highly refined and ingeniously constructed cameras are rather expensive, because they require exceptional skill in construction, the most expensive material, and they take a long time to construct. As a consequence, the amateur of average means sometimes finds it far from easy to acquire such a camera. The experienced designers of the ZEISS IKON A.G. STUTTGART therefore, faced the problem of creating a moderately priced camera model with built-in distance meter.

IKONTA III $2^1/_4'' \times 2^1/_4''$ 6×6 cm — Size: $5^5/_{16}'' \times 3^{15}/_{16}'' \times 1^{13}/_{16}''$ / Weight: 640 g $22^3/_8$ ozs.

with Novar f/4.5, focal length 3″ (75 mm), and fully synchronized Prontor-SV shutter with built-in delayed action release	524/16 Ipms
with Novar f/3.5, focal length 3″ (75 mm), and fully synchronized Prontor-SV shutter with built-in delayed action release	524/16 Fpms
with Tessar f/3.5, focal length 3″ (75 mm), and Synchro-Compur	524/16 Lcm

IKONTA III $2^1/_4'' \times 3^1/_4''$ 6×9 cm — Size: $6^1/_8'' \times 3^{15}/_{16}'' \times 1^{13}/_{16}''$ / Weight: 850 g $29^3/_5$ ozs.

with Novar f/4.5, focal length $4^1/_8''$ (105 mm), and fully synchronized Prontor-SV shutter with built-in delayed action release	524/2 Ipms
with Novar f/3.5, focal length $4^1/_8''$ (105 mm), and fully synchronized Prontor-SV shutter with built-in delayed action release	524/2 Fpms
with Tessar f/3.5, focal length $4^1/_8''$ (105 mm), and Synchro-Compur with built-in delayed action release	524/2 Lcms

ZEISS IKON A. G., which has had for decades the lead in camera construction, now introduces to the camera market a new camera type, the IKONTA III in two sizes – $2^1/_4'' \times 2^1/_4''$ (6×6 cm) and $2^1/_4'' \times 3^1/_4''$ (6×9cm). The built-in high quality distance meter permits 100% accurate focusing, a feature which does not complicate the construction of the camera or make it too expensive.

Errors are easily made when estimating the distance of an object. It certainly once happened to every photographer, when working without a distance meter, that his negatives lacked the sharpness necessary for good enlargements, because he had not correctly estimated the distance of the object. Because of his disappointment he may have bought one of the customary slip-on distance meters but, nevertheless, he was never quite satisfied with such a makeshift arrangement. It is, indeed, not at all convenient to carry a separate distance meter in one's pocket and in many cases a separate distance meter is not at hand when it is most needed. Consequently, it often occurs that the efficiency of the lens cannot be fully exploited.

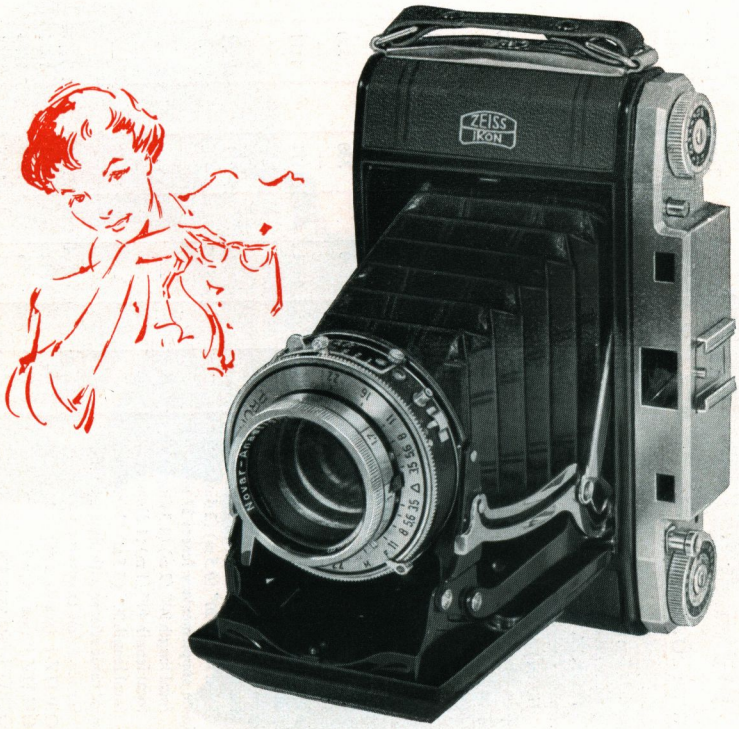
All these inconveniences and factors of insecurity will not trouble the owner of the new IKONTA III. With the distance meter built into the chromium-plated front of the IKONTA III, the exact distance of the object can be quickly ascertained and the lens focusing is then set on the distance. A depth of field scale gives the exact depth of field for any given lens aperture and distance setting.

With the IKONTA III it is not necessary to reduce carefully the lens aperture in order to ensure the necessary sharpness. It is easily possible to use the full aperture of the lens. Accurate focusing is even possible under poor lighting conditions. Experience has shown that the use of the full lens aperture increases the plastic effect of a picture, i. e., the main object of the motive is rendered sharply while the background is slightly blurred. In view of these facts the new IKONTA III is a camera ideally

suited, and especially designed, for the amateur of moderate means whom it helps to obtain truly satisfactory pictures.

On the whole, the thoroughly good construction of the former IKONTA has been retained in the design of the IKONTA III. The built-in optical viewfinder at the side of the distance meter renders a brilliant image of the view embraced by the camera.

Double exposures are prevented by the built-in signal device and automatic shutter release lock. The jerk-free body shutter release excludes any camera shake during the moment exposure. In addition, the camera has a viewfinder shoe for attachment of slip-on accessories. The IKONTA III is equipped with the efficient Novar f/3.5, or f/4.5 or with the world famous ZEISS TESSAR f/3.5. All lenses are colour corrected and coated. The Prontor-SV shutter and the Compur shutter are fully synchronized and permit the use of all types of flash bulbs and electronic flash equipment in conjunction with all available shutter speeds. A film-type indicator indicates the type of film with which the camera is loaded.



IKONTA I AND II
IKONTA III

ACCESSORIES:	$1^3/_4'' \times 2^1/_4''$ (4.5×6 cm)			$2^1/_4'' \times 2^1/_4''$ (6×6 cm)			$2^1/_4'' \times 3^1/_4''$ (6×9 cm)		
	Novar f/4.5	Novar f/3.5	Tessar f/3.5	Novar f/4.5	Novar f/3.5	Tessar f/3.5	Novar f/4.5	Novar f/3.5	Tessar f/3.5
	No	No	No	No	No	No	No	No	No
Eveready Carrying Case for IKONTA I	1208	1208	1208	—	—	—	—	—	—
Slip-on Brilliant Viewfinder for IKONTA I	437	437	437	—	—	—	—	—	—
Eveready Carrying Case for IKONTA II and IKONTA III	—	—	—	1230/16	1230/16	1230/16	1236/2	1236/2	1236/2
Slip-on filter ⌀ 32 mm	350	350	350	350	350	350	—	—	—
Slip-on filter ⌀ 37 mm (yellow, green-yellow, red, orange)	—	—	—	—	—	—	322	—	322
Screw-on filter ⌀ 35.5 mm	371	371	371	371	371	371	—	—	—
Screw-on filter ⌀ 40.5 mm (yellow, green-yellow, red, orange)	—	—	—	—	—	—	373	373	373
Bernotar slip-on polarising filter									
⌀ 32 mm	330	330	330	330	330	330	—	—	—
⌀ 37 mm	—	—	—	—	—	—	331	—	331
Slip-on lens hood ⌀ 32 mm	1111	1111	1111	1111	1111	1111	—	—	—
Slip-on lens hood ⌀ 37 mm	—	—	—	—	—	—	1112	—	1112
Slip-on supplementary lenses ⌀ 32 mm									
focal length 40″ (1 m) (1 dioptre)	975/1	975/1	975/1	975/1	975/1	975/1	—	—	—
focal length 20″ (0.5 m) (2 dioptres)	975/05	975/05	975/05	975/05	975/05	975/05	—	—	—
Slip-on supplementary lenses 37 mm									
focal length 80″ (2 m) (0.5 dioptre)	—	—	—	—	—	—	976/2	—	976/2
focal length 40″ (1 m) (1 dioptre)	—	—	—	—	—	—	976/1	—	976/1
focal length 20″ (0.5 m) (2 dioptres)	—	—	—	—	—	—	976/05	—	976/05
Special cable release with plunger catch for long time exposures	1312/24	1312/24	1312/24	1312/24	1312/24	1312/24	1312/24	1312/24	1312/24
IKOBLITZ I (see page 46)	1324	1324	1324	1324	1324	1324	1324	1324	1324
IKOBLITZ II (see page 47)	1356	1356	1356	1356	1356	1356	1356	1356	1356
IKOTRON (see page 48)	1314	1314	1314	1314	1314	1314	1314	1314	1314
IKOPHOT exposure meter (see page 45)	1329	1329	1329	1329	1329	1329	1329	1329	1329

SUPER IKONTA

$1^{3}/_{4}'' \times 2^{1}/_{4}''$ (4.5×6 cm) and $2^{1}/_{4}'' \times 3^{1}/_{4}''$ (6×9 cm)

The SUPER IKONTA $2^{1}/_{4}'' \times 3^{1}/_{4}''$ (6×9 cm) is a two-format camera taking 8 $2^{1}/_{4}'' \times 3^{1}/_{4}''$ (6×9 cm) pictures or 16 $1^{3}/_{4}'' \times 2^{1}/_{4}''$ (4.5×6 cm) pictures.

SUPER IKONTA $1^{3}/_{4}'' \times 2^{1}/_{4}''$ (4.5×6 cm)

Size: $5^{1}/_{2}'' \times 3^{1}/_{8}'' \times 1^{15}/_{16}''$ / Weight: 520 g $18^{3}/_{16}$ ozs.
11.4×7.9×4.2 cm

531 Lcm

with Tessar f/3.5, focal length 3″ (75 mm), in Synchro-Compur shutter

Accessories: see page 22.

SUPER IKONTA $2^{1}/_{4}'' \times 3^{1}/_{4}''$ (6×9 cm)

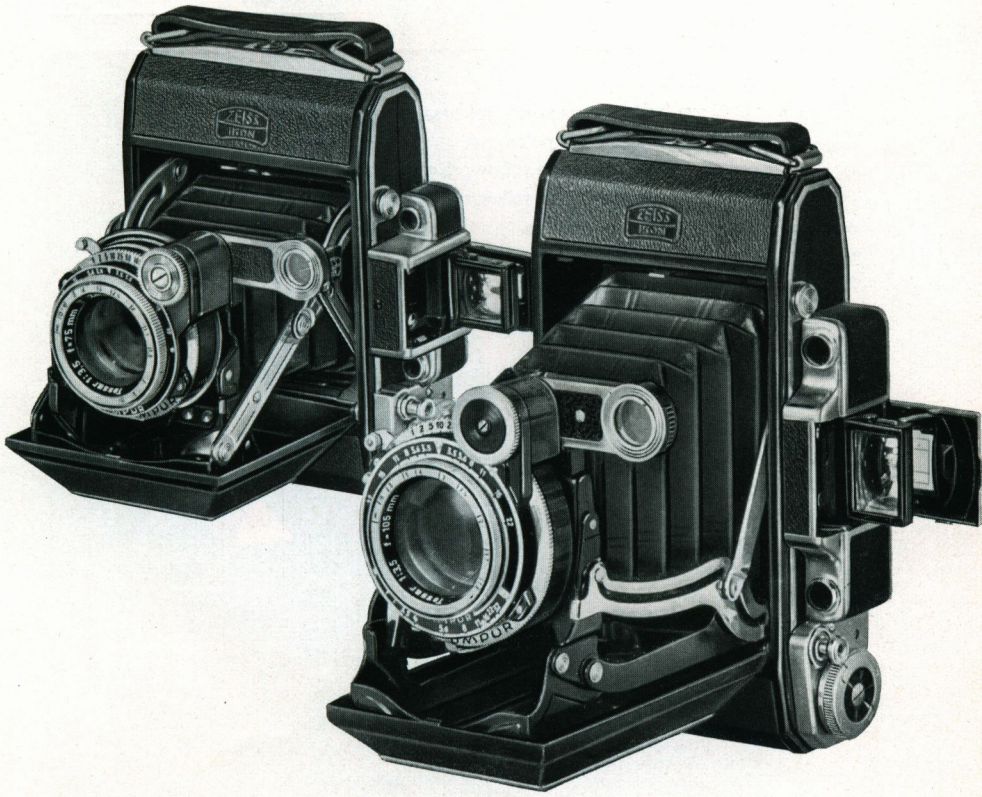
"The Two-Format Camera"

Size: $6^{1}/_{8}'' \times 3^{3}/_{16}'' \times 2''$ / Weight: 820 g $28^{9}/_{16}$ ozs.
16.5×8.1×5 cm

531/2 Lcms

with Tessar f/3.5, focal length $4^{1}/_{8}''$ (105 mm), in Synchro-Compur shutter with built-in delayed action release

Accessories: see page 22.

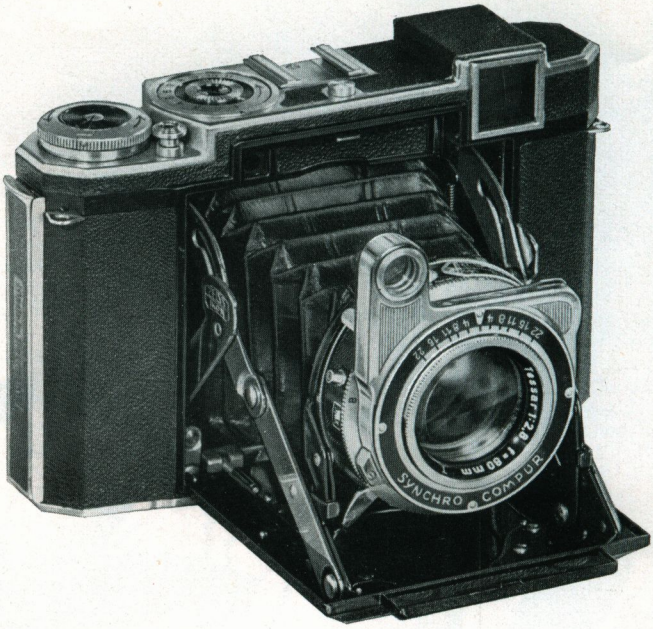


The rotating-wedge-type distance meter is a masterpiece of precision that ensures 100% accurate focusing. Therefore, it is not necessary to reduce carefully the lens aperture in order to obtain a depth of field to make up for any incorrectness in focusing. Consequently, it is possible to exploit to the utmost the full efficiency of the excellently colour corrected lenses of the SUPER IKONTA.

Upon a slight pressure on a little knob the "SUPER IKONTA" automatically erects itself and springs into the taking position. The van Albada sports finder shows a very large view with the actual field covered by the camera within a white-edged frame, permitting observation of fast-moving objects already before they enter the actual taking angle of the camera. The depth of field scale indicates for any given lens aperture and diaphragm setting the range in which objects will be rendered sharply. The jerk-free body shutter release excludes any camera shake during the exposure, even with shutter speeds of 1/10 or 1/5 sec. Moreover, the SUPER IKONTA features automatic film transport lock with signal device preventing double exposures; red-dot setting, ensuring great depth of field for snapshots under fair lighting conditions and built-in flash synchronization contact.

SUPER IKONTA

$1^3/_4'' \times 2^1/_4''$ 4.5×6 cm Tessar f/3.5		$2^1/_4'' \times 3^1/_4''$ 6×9 cm Tessar f/3.5	
ACCESSORIES:	No		No
Eveready Carrying Case	1208		1206/2
Slip-on filter ∅ 32 mm (yellow, green-yellow, red, orange)	350		—
Slip-on filter ∅ 37 mm (yellow, green-yellow, red, orange)	—		322
Screw-on filter ∅ 35.5 mm (yellow, green-yellow, red, orange)	371		—
Screw-on filter ∅ 30.5 mm (yellow, green-yellow, red, orange)	—		373
Bernotar slip-on polarising filter ∅ 32 mm	330		—
Bernotar slip-on polarising filter ∅ 37 mm	—		331
Slip-on lens hood ∅ 32 mm	1111		—
Slip-on lens hood ∅ 37 mm	—		1112
Supplementary lenses ∅ 32 mm			
focal length 40" (1 m) (1 dioptre)	975/1		—
focal length 20" (0.5 m) (2 dioptres)	975/05		—
Slip-on supplementary lenses ∅ 37 mm			
focal length 80" (2 m) (0.5 dioptre)			976/2
focal length 40" (1 m) (1 dioptre)			976/1
focal length 20" (0.5 m) (2 dioptres)			976/05
Special cable release with plunger catch for long exposures	1312/24		1312/24
IKOBLITZ I (see page 46)	1324		1324
IKOBLITZ II (see page 47)	1356		1356
IKOPHOT exposure meter (see page 45)	1329		1329
IKOTRON (see page 48)	1314		1314



SUPER IKONTA I $2^{1}/_{4}'' \times 2^{1}/_{4}''$ (6×6 cm)

A unique, large-negative roll film camera with advantages that are found usually only in a precision miniature camera. The image seen in the coupled rotating-wedge distance meter coincides with the view angle, which means that the view embraced by the camera and the focusing of the object can be observed through the one eyepiece of the "combined view and range finder". The world renowned ZEISS TESSAR ensures good pictures even under poor lighting conditions, especially because the full speed of the lens can be exploited thanks to the 100% accurate focusing attained with the combined view and range finder. The automatic shutter release and film transport lock prevents both double exposures and blanks. After every exposure the photographer winds the film until its transport is stopped; then the frame counter will indicate the number of exposures made.
Moreover, this universal camera features red-dot setting for quick snapshots, depth of field scale, and built-in flash synchronization contact. All settings can be easily verified from above.
Press photographers, whose work requires utmost camera efficiency and lens performance, find the SUPER IKONTA $2^{1}/_{4}'' \times 2^{1}/_{4}''$ (6×6 cm) especially reliable for their work.

SUPER IKONTA I $2^{1}/_{4}'' \times 2^{1}/_{4}''$ (6×6 cm)

Size: $5^{13}/_{16}'' \times 3^{9}/_{16}'' \times 1^{7}/_{8}''$ / Weight: 1000 g $35^{3}/_{16}$ ozs.
14.7×9.6×4.8 cm
with Tessar f/2.8, focal length $3^{1}/_{8}''$ (80 mm), in Synchro-Compur shutter with shutter speeds from 1 to $^{1}/_{500}$ sec and built-in delayed release action release

532/16 Pcms

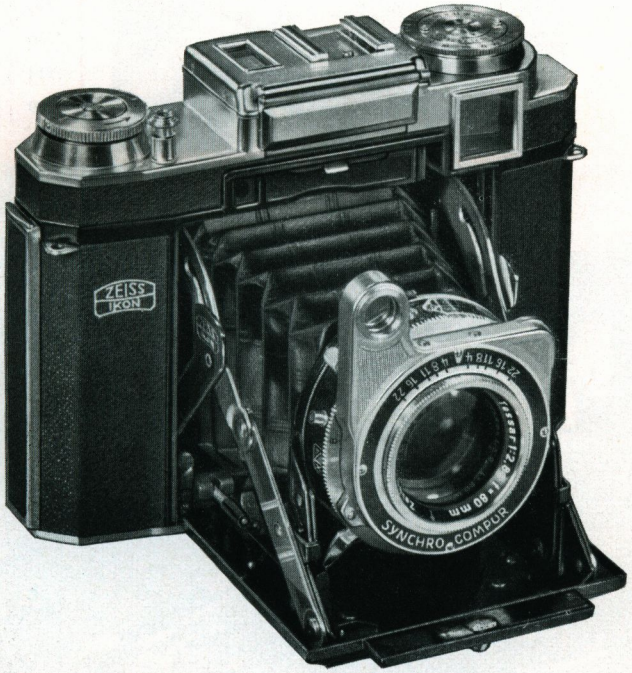
Accessories: see page 26

The SUPER IKONTA II is the queen of large-negative size cameras, and features, in addition to the built-in combined view and range finder of the SUPER IKONTA I, a built-in photo-electric exposure meter which is particularly advantageous because (1) it saves time (no handling of two instruments, i. e. camera and separate pocket exposure meter) and (2) its measuring angle is coordinated with the taking angle of the camera, i. e. it measures only the light incident from the object. Another point: Is a built-in exposure meter not much better protected against damage than a pocket exposure meter? And yet another great advantage is that the built-in exposure meter is always at hand. In view of these features, the SUPER IKONTA II with its excellently colour corrected ZEISS TESSAR is the ideal camera for colour photography, because its exposure meter guarantees correct exposure under all lighting conditions, indispensable in colour photography. All other constructional details of the SUPER IKONTA II are similar to those of the SUPER IKONTA I.

SUPER IKONTA II $2^{1}/_{4}'' \times 2^{1}/_{4}''$ (6×6 cm)

Size: $5^{13}/_{16}'' \times 4^{1}/_{2}'' \times 1^{7}/_{8}''$ / Weight: 1110 g $39^{1}/_{16}$ ozs.
14.7×11.4×4.8 cm
with Tessar f/2.8, focal length $3^{1}/_{8}''$ (80 mm), in Synchro-Compur shutter with built-in delayed action release 533/16 Pcms

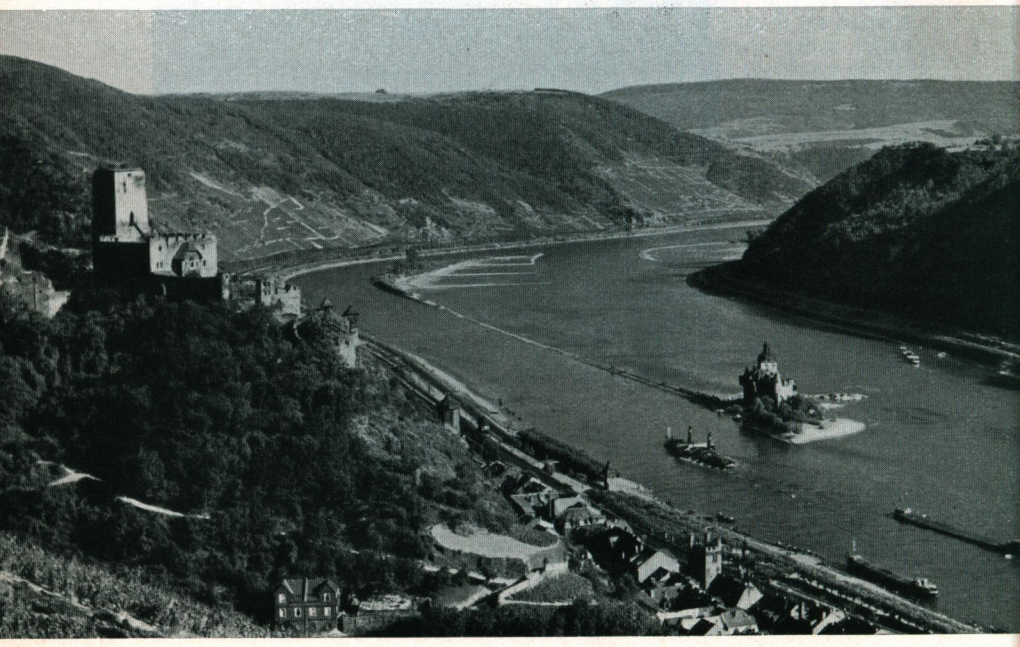
Accessories: see page 26



SUPER IKONTA II $2^{1}/_{4}'' \times 2^{1}/_{4}''$ (6×6 cm)

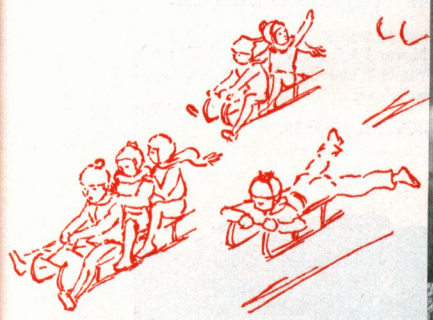
SUPER IKONTA I
SUPER IKONTA II

ACCESSORIES		I 2¼"×2¼" 6×6 cm Tessar f/2.8		II 2¼"×2¼" 6×6 cm Tessar f/2.8	
		No		No	
Eveready Carrying Case		1204/16		1203/16	
Carrying Strap		Tr 500		Tr 500	
Slip-on filter ∅ 37 mm (yellow, green-yellow, red, orange)		322		322	
Bernotar slip-on polarising filter ∅ 37 mm		331		331	
Slip-on lens hood ∅ 37 mm		1112		1112	
Slip-on supplementary lenses ∅ 37 mm					
focal length 80" (2 m) (0.5 dioptre)		—		976/2	
focal length 40" (1 m) (1 dioptre)		976/1		976/1	
focal length 20" (0.5 m) (2 dioptres)		976/05		976/05	
Special cable release with plunger catch for long exposures		1312/24		1312/24	
Eye correction lenses		901		901	
IKOBLITZ I (see page 46)		1324		1324	
IKOBLITZ II (see page 47)		1356		1356	
IKOTRON exposure meter (see page 48)		1314		1314	
IKOPHOT exposure meter (see page 45)		1329		—	



IKOFLEX

$2^{1}/_{4}'' \times 2^{1}/_{4}''$ (6×6 cm)



The unusually bright, evenly illuminated image on the Fresnel lens viewing screen, (an ingenious optical combination of a condensor lens and a ground glass), of this ZEISS IKON twinlens mirror reflex camera shows at any time whether the picture is worth taking or not. The subject can be studied carefully and the right moment chosen for taking the picture.

By rotating the large and convenient focusing knob through 90° one can focus all distances from 3 ft. to infinity. The ground glass renders the object to be photographed with astounding sharpness. A focusing magnifier within the finder hood is provided for exact focusing.

The IKOFLEX has all the photographic features an amateur expects a camera to have: Depth of field scale, red-dot setting, body shutter release, exposure table and film transport mechanism permitting advancement of the film by only one frame at a time, so that the amateur need not watch a picture counting window. A built-in automatic picture counter indicates the number of exposures made. In addition, the IKOFLEX has a built-in flash synchronization contact.

Every amateur who wants to obtain real pictorial effects will choose the IKOFLEX, because its bright ground glass image permits careful study and composition of the pictures and ensures successful snapshots.

IKOFLEX I 2¼″ × 2¼″ (6×6 cm)

Size: 5½″ × 3 9/16″ × 3 1/32″
14×9×7.7 cm
Weight: 940 g 33 1/16 ozs.

Twin-lens ZEISS IKON mirror reflex camera equipped with the destinctive bright focusing screen and many other ingenious devices. Shutter speeds of 1, 1/2, 1/5, 1/10, 1/25, 1/50, 1/100, and 1/250 sec as well as "B" setting for time exposures; built-in delayed action release.

With Novar f/3.5, focal length 3″ (75 mm), in Prontor-S shutter with built-in delayed action release
854/16 Fps

Accessories: see page 29.

IKOFLEX Ia 2¼″ × 2¼″ (6×6 cm)

Size: 5½″ × 3 11/16″ × 3″ 14×9.3×7.7 cm
Weight: 1030 g 36⅛ ozs.

The IKOFLEX Ia adds some more features to the many advantages of the IKOFLEX. One of them is the fully synchronized Prontor-SV shutter with shutter speeds rating up to 1/300 second. Another one is the sports finder built into the finder hood and the amazing Fresnel focusing screen which ensures bright edge-to-edge definition. Furthermore a lid is delivered to protect both lenses.

With Novar f/3.5, focal length 3″ (75 mm), in fully synchronized Prontor-SV shutter with built-in delayed action release
854/16 Fpms

With Tessar f/3.5, focal length 3″ (75 mm), in fully synchronized Prontor-SV shutter with built-in delayed action release
854/16 Lpms

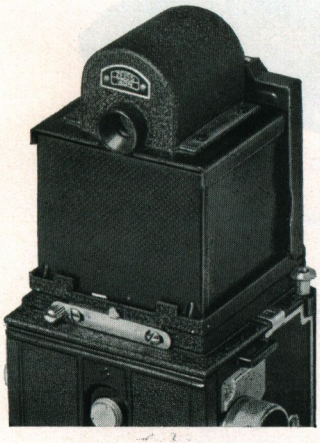
ACCESSORIES:

Paired supplementary lenses (one for the taking and one for the viewing lens); polarising filters, prismatic viewfinder, filters and lens hood (see page 29).

IKOFLEX $2^1/_4$″×$2^1/_4$″ (6×6 cm)
ACCESSORIES

ACCESSORIES	I and Ia No	II No
Eveready Carrying Case	1224/16	1224/16
Carrying strap for Camera	Tr 500	Tr 500
Slip-on filters ∅ 37 mm (yellow, green-yellow, red, orange)	322	322
Screw-on filter ∅ 35.5 mm (yellow, green-yellow, red, orange)	371	371
Slip-on lens hood ∅ 37 mm	1112	1112
Slip-on paired-supplementary lenses ∅ 37 mm and ∅ 28.5 mm		
focal length 40″ (1 m) (1 dioptre)	995/51-54	995/51-54
focal length 20″ (0.5 m) (2 dioptres)	995/52-55	995/52-55
Special cable release with plunger catch for long time exposures	1312/24	1312/24
Prismatic viewfinder	400/16	400/16
IKOBLITZ I (see page 46)	1324	1324
IKOBLITZ II (see page 47)	1356	1356
IKOTRON (see page 48)	1314	1314
IKOPHOT exposure meter (see page 45)	1329	1329

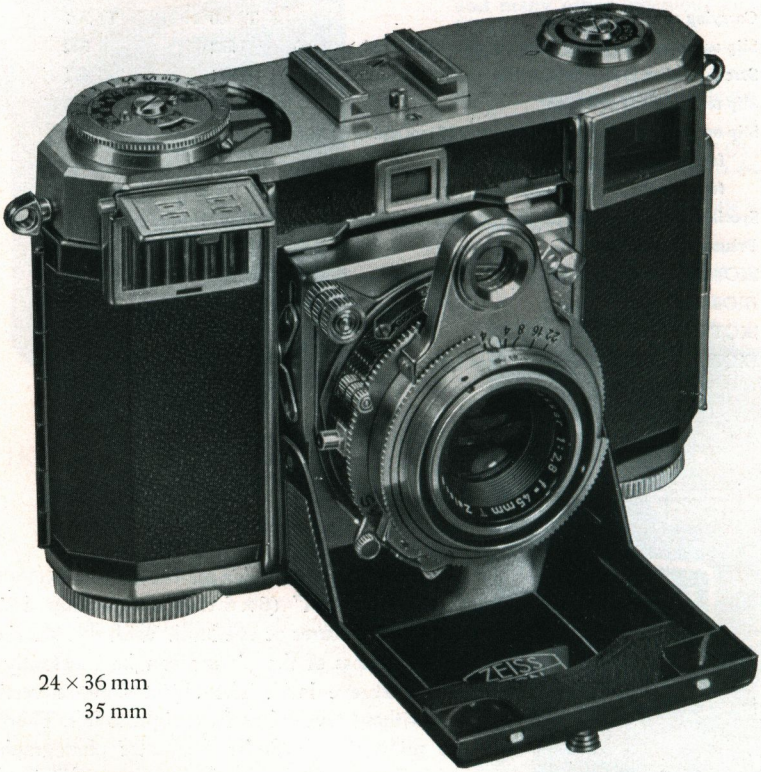
The prismatic viewfinder for the IKOFLEX



The prismatic viewfinder for the ZEISS IKON IKOFLEX $2^1/_4$″×$2^1/_4$″ (6×6 cm) is especially designed for taking pictures at eye level. With this attachment the sharpness of the picture can be constantly controlled at eye level. The object appears vertically and without reversal as from right to left. Therefore, the prismatic viewfinder facilitates photography of moving objects. Since the aperture f/3.5 of the viewing lens of the IKOFLEX is not reduced, the viewfinder image of the prismatic viewfinder will be sufficiently bright to permit accurate focusing even under poor lighting conditions. The prismatic viewfinder is slipped onto the finder hood as in the illustration. In using the prismatic viewfinder the IKOFLEX is operated as usual.

Prismatic viewfinder in leather case 400/16

CONTESSA



24 × 36 mm
35 mm

The Elegant Miniature Camera

This elegant and easily manipulated ZEISS IKON miniature camera takes 36 exposures $1'' \times 1^1/_2''$ on standard 35 mm film, and has all the features necessary for succesful miniature photography. The oscillating hand of the small photo-electric ZEISS IKON exposure meter, which is safely accomodated within the camera housing, indicates the correct exposure time required for any class of subject. The combined view and range finder guarantees exact measurement of distances. It does not only show the view embraced by the camera but also renders a double image of the object. Upon slightly turning the lens mount with the finger tip the two images coalesce. When that happens the lens is correctly focused.

The CONTESSA is ideally suited for quick action. All working parts of the CONTESSA are so conveniently positioned that snapshots can be taken in quick succession. All settings can be verified from above at a glance. The automatic shutter and film transport locking device prevents double exposures and blanks. The new type shutter wind permits speedy advancement of the film. Naturally the CONTESSA features type of film indicator, built-in flash synchronization contact, fully synchronized shutter, automatic frame counter, and red-dot setting.

The CONTESSA is the right camera for colour photography: With the aid of the world famous, colour corrected, and coated ZEISS TESSAR, as well as the built-in, 100 % accurate, ever-ready dependable exposure meter, every colour photograph with the CONTESSA will be a winner.

CONTESSA $1'' \times 1^1/_2''$ Size: $4^1/_2'' \times 3^1/_{16}'' \times 1^3/_4''$
35 mm Weight: 530 g $18^7/_{16}$ ozs.

with Tessar f/2.8, focal length $1^6/_8''$ (45 mm),
and Synchro-Compur shutter 533/24 Pcm

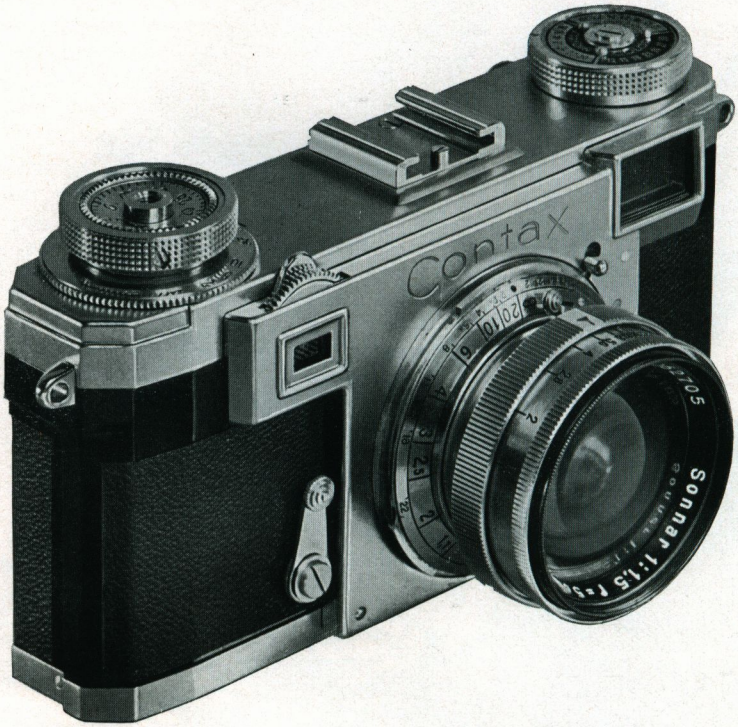
(For filters, supplementary lenses, lens hood etc, see next page)

ZEISS IKON

CONTESSA
ACCESSORIES

ACCESSORIES:	No		
Eveready Carrying Case	1214/24		
Carrying strap for camera	Tr 500		
Screw-on filter ∅ 27 mm (yellow, green-yellow, red, orange)	382		
Slip-on filter ∅ 32 mm (yellow, green-yellow, red, orange)	350		
Bernotar slip-on polarising filter ∅ 32 mm	330		
Slip-on supplementary lenses ∅ 32 mm	1103		
focal length 40″ (1 m) (1 dioptre)	975/1		
focal length 20″ (0.5 m) (2 dioptres)	975/05		
Screw-on lens hood			
Special cable release with plunger catch for long exposures	1312/24		
Eye correction lenses	901		
IKOBLITZ I (see page 46)	1324		
IKOBLITZ II (see page 47)	1356		
IKOTRON (see page 48)	1314		

CONTAX



IIa

24 × 36 mm / 35 mm

THE CONTAX IIa

is the most advanced camera of the ZEISS IKON A.G. STUTTGART, the world famous precision miniature camera meeting all photographic requirements. It can take with equal efficiency extremely difficult sports photographs with a 1/1250 sec exposure, action photographs even under poor lighting conditions with the world's fastest lens of practical use (Sonnar f/1.5), pictures of animal wild life by means of ZEISS lenses of long focal length, as well as scientific macro-photographs.

Thanks to its ingenious construction and conveniently arranged operating parts, the CONTAX IIa guarantees rapid and sure manipulation even under the most difficult conditions. The ingenious arrangement of its operating parts and the present finished and streamlined shape of the CONTAX IIa is the result of decades of experiences gathered by the ZEISS IKON A.G. in miniature camera production.

The combined view and range finder permits simultaneous sighting and focusing through one eyepiece. Within a second the right middle finger can accurately focus the ZEISS lenses on the object to be taken, and instantly the right index finger can release the shutter. The shutter can be wound instantly thus simultaneously and automatically advancing the film by one frame and the frame counter by one number (this feature of the CONTAX prevents any double or blank exposures).

The designers of the CONTAX IIa have simplified the most complicated processes: Twelve shutter speeds from setting "B" for time exposure to 1/1250 sec can be set on one disc with half a turn of the knob, no matter whether or not the shutter is wound, the 1/1250 second is making the CONTAX IIa the world's fastest miniature camera. Exposure time settings can be conveniently verified from above. No external parts rotate when the shutter is released. The detachable camera back greatly facilitates loading and unloading of the camera, thorough cleaning of the film track as well as the use of the two-casette method, thus permitting interchange of films or unloading of partly exposed films for developing without rewinding. This feature is of great importance in present-day photography; many a miniature photographer would like to be able to change easily black and white and colour films without to take a large and fixed number of pictures on film of any particular sort or emulsion.

The flash synchronization contact transmits the ignition impulse when the shutter is wide open, so that perfectly synchronized shots can be taken with the CONTAX IIa. In fact, every flash photograph with the CONTAX can be made from the hand as with an action photograph. A special synchro-switch with ignition delay has been designed for all those electronic flashes having no ignition delay. The entire flash synchronization mechanism is so constructed that the electric current cannot enter the camera body when the flash is fired.

(Cont'd on page 37)

ZEISS IKON

CONTAX

IIIa

24 × 36 mm / 35 mm

The built-in delayed action release can be set on different exposure delays. The depth of field ring indicates the depth of field for any given lens aperture and distance setting.
Thanks to their practical bayonet mount, the CONTAX lenses can be exchanged in a moment with a turn through 90°. The world famous set of perfected colour corrected, high-speed Sonnar lenses, especially designed for CONTAX photography, ensure utmost sharpness and even edge-to-edge definition and illumination of all pictures. All CONTAX lenses are factory (T) coated to prevent flare and to ensure maximum light transmission. The lenses up to $5^3/_8$" (135 mm) focal length are coupled with the distance meter; lenses of longer focal length are focused with the mirror reflex attachment "Flectoscop". The ingeniously constructed all-metal focal plane shutter functions almost noiselessly, is resistent to climatic influences and permits long exposures of 1, $^1/_2$, $^1/_5$, and $^1/_{10}$ sec, the mostly used $^1/_{25}$, $^1/_{50}$, $^1/_{100}$, and $^1/_{200}$ sec action photograph exposures and, in addition, has the top shutter speeds of $^1/_{500}$ sec and $^1/_{1250}$ sec. It also permits time exposures of unlimited duration.

CONTAX IIIa

In addition to all the features and advantages of the CONTAX IIa the CONTAX IIIa is equipped with a built-in photo-electric exposure meter giving in an instant the exact required exposure time. This exposure meter, being built-in, is always at hand and always ready for use and its acceptance angle is fully co-ordinated with the taking angle of the CONTAX. With utmost speed, accuracy, and dependability the CONTAX exposure meter indicates the exact exposure required under all lighting conditions. Its manipulation and operation is, indeed, extremely simple. A disc has only to be turned so that it coordinates the setting mark with the exposure meter needle and instantly the exposure time for any given lens aperture can be read off from the exposure scale.
The special advantages of the built-in exposure meter are that (1) the reading can be made very quickly; (2) the built-in exposure meter can never be left at home or elsewhere, and (3) it is less liable to suffer damage, because within the camera body it is much better protected than a separate pocket exposure meter.

CONTAX IIa

1" × $1^1/_2$" (35 mm)
Size: $5^9/_{32}$" × 3" × $1^7/_{16}$"
(13.4 × 7.5 × 3.6 cm) / Weight of the Camera body 520 g

with Tessar f/3.5, focal length 2" (50 mm)	563/24 L
with Sonnar f/2.5, focal length 2" (50 mm)	563/24 N
with Sonnar f/1.5, focal length 2" (50 mm)	563/24 J
Eveready Carrying Case	1215/24
Compartment Case (see page 44)	1240/24

CONTAX IIIa

1" × $1^1/_2$" (35 mm)
Size: $5^9/_{32}$" × $3^1/_4$" × $1^7/_{16}$"
(13.4 × 8.3 × 3.6 cm) / Weight of the Camera body 570 g

with Tessar f/3.5, focal length 2" (50 mm)	564/24 L
with Sonnar f/2.5, focal length 2" (50 mm)	564/24 N
with Sonnar f/1.5, focal length 2" (50 mm)	564/24 J
Eveready Carrying Case	1215/24
Compartment Case (see page 44)	1240/24

THE INTERCHANGEABLE CONTAX LENSES

TESSAR
f/3.5, focal length 2″
50 mm

The photographer who is not keen on utmost lens speed will choose this universal TESSAR, which is world famous for its optical performance. It has an excellent resolving power and is especially suited for reproductions and macro-photography.

Tessar f/3.5, focal length 2″ (50 mm)
543/00 L

SONNAR
f/2, focal length 2″
50 mm

The standard high-speed lens guaranteeing needle sharp edge-to-edge definition. Thanks to its excellent corrections and even illumination, this lens is suitable for taking any photographic work including colour.

Sonnar f/2, focal length 2″ (50 mm)
543/59 N

SONNAR
f/1.5, focal length 2″
50 mm

This is the universal CONTAX lens with the largest aperture and the highest speed that can be used in practical miniature photography. It can take pictures even under poorest lighting conditions. Even at its full aperture it renders pictures of perfect definition and brilliancy.

Sonnar f/1.5, focal length 2″ (50 mm)
543/60 J

BIOGON
f/2.8, focal length 1 3/8″
35 mm

This is the ideal lens for pictures requiring an extremely wide angle of field. Having an unusually large depth of field it is especially suitable for snapshots. Thanks to its even illumination and excellent resolving power, it renders excellent negatives of pin-point edge-to-edge sharpness.

Biogon f/2.8, focal length 1 1/8″ (35 mm)
563/09 T

SONNAR
f/2, focal length 3 3/8″
85 mm

This is a high-speed lens of long focal length especially suited for stage photography, portraiture, and press photographs under unfavourable lighting conditions.

Sonnar f/2, focal length 3 3/8″ (85 mm)
563/05 O

SONNAR
f/4, focal length 5 3/8″
135 mm

A tele-objective for taking distant views and parts of architectures, for obtaining pictorial landscape effects, portraiture, and snapshots which require a narrow angle of field.

Sonnar f/4, focal length 5 3/8″ (135 mm)
543/04 R

SONNAR
f/2.8, focal length 7 1/8″
180 mm

This lens has an astoundingly high performance. It is focused with the aid of the Flektoskop mirror reflex attachment. It serves special purposes: Pictures of animal wild life, sports photographs, and reporters photographs at long distances.

Sonnar f/2.8, focal length 7 1/8″ (180 mm), without Flektoskop 563/06 S
Sonnar f/2.8, focal length 7 1/8″ (180 mm), with Flektoskop in special case
563/08/6 S

SONNAR
f/4, focal length 12″
300 mm

A tele-objective with a lens speed permitting outdoor action shots with very short shutter speeds. A special lens for special photographic tasks, which it will successfully tackle thanks to its high efficiency.

Sonnar f/4, focal length 12″ (300 mm), without Flektoskop 563/07 V
Sonnar f/4, focal length 12″ (300 mm), with Flektoskop in special case
563/08/7 V

Another ZEISS IKON lens for distant views is the tele-objective f/8, focal length 20″ (500 mm). Details on this lens will be given upon application.

without Flektoskop 543/92 W
with Flektoskop in special case 543/08/92 W

FLEKTOSKOP for lenses with focal lengths of 7 1/8″, 12″, or 20″ (180 mm, 300 mm or 500 mm) 563/08

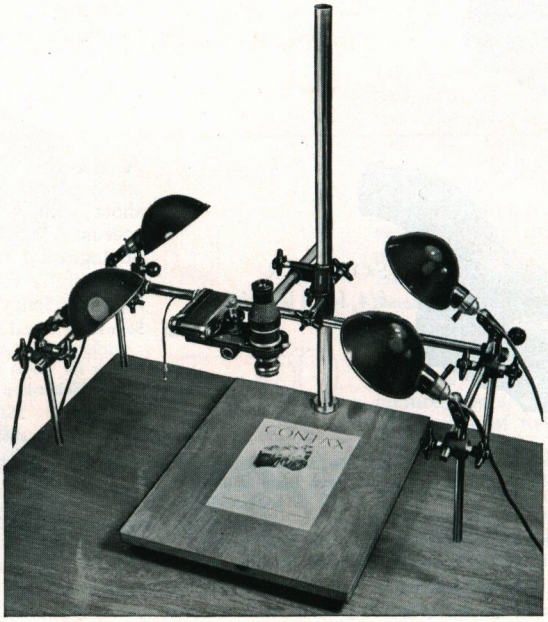
Thanks to excellent colour correction, all CONTAX lenses listed above are ideally suited for colour photography. All glass to air surfaces are factory (T) coated to avoid reflections.

REPRODUCTION APPARATUS FOR THE CONTAX

ZEISS IKON offers two reproduction apparatus for the CONTAX, a large and a small reproduction apparatus, both equipped with a ZEISS TESSAR f/3.5, focal length 2″, fitted into a focusing adapter which guarantees utmost optical precision. The reproduction apparatus permits settings from 8 inches to infinity. With the aid of extension tubes it can be used also for closer ranges. A magnifier permits accurate composition and control of sharpness. When the focusing is completed the ground glass focusing adapter is interchanged for the CONTAX.
The reproduction apparatus consist of tubes with three different diameters, the respective extension tubes and connecting parts. These tubes give a variety of combinations for all kinds of medical and scientific reproduction work.

THE LARGE REPRODUCTION APPARATUS FOR THE CONTAX

The arrangement of base board, main pillar and focusing adapter guarantee undistorted reproduction of documents.



The lamp holder and all necessary lighting equipment is held by a transverse bar. The lighting equipment can be adapted to all requirements. A revolving plate is used for quick interchange of the ground glass for the CONTAX. Extension tubes are used for 1 to 1 or larger reproductions. Pictures can also be taken at an oblique angle. A pillar with a clamp can be used instead of the base board with the main pillar. With this clamp the apparatus can be fitted to a table, a drawing board, or a machine, etc.

THE SMALL REPRODUCTION APPARATUS FOR THE CONTAX

The small reproduction apparatus is intended for use in libraries, museums, and collections. It can be easily carried along in a small practical case and can be quickly erected anywhere. It is so designed that it can be adapted to unevenness of the ground in outdoor work. Of course, extension tubes can also be used in conjunction with the small reproduction apparatus if objects are to be taken in natural size or on a large scale.

CONTAPROX — No 1450

TRIPOD CLOSE-UP EQUIPMENT

Item	No	Item	No
1 Focusing Head with Tessar f/3.5, focal length 2″ (50 mm)	563/04	1 Extension Tube 1×	5522/13
1 Focusing Magnifier (for direct focusing)	5520/6	1 Ground Glass Focusing Adapter	1251

SMALL REPRODUCTION APPARATUS — No 1406

Item	No	Item	No
1 Pillar 32×600	1406/020	1 Ground Glass Focusing Adapter	1251
1 Cross Piece 32/22	1408/04	1 Focusing Magnifier (for direct focusing)	5520/6
2 Cross Pieces 22/15	1408/08	1 Extension Tube 1×	5522/13
1 Transverse Bar 22×560	1406/021	1 Extension Tube 2×	5522/14
2 Supporting Bars 15×280	1406/022	1 Extension Tube 4×	5522/15
1 T-clamp 32/22	1408/02	1 Case	767
1 Tripod Socket with Extension	1407/015		
1 Focusing Head with Tessar f/3.5, focal length 2″ (50 mm)	563/04		

LARGE REPRODUCTION APPARATUS — No 1407

WITHOUT REVOLVING PLATE

Item	No	Item	No
1 Base Board with Main Pillar ∅ 32	1408/01	1 Tripod Socket with Extension	1407/015
1 Focusing Head with Tessar f/3.5, focal length 2″ (50 mm)	563/04	1 Tripod Thread with Extension	1408/03
1 Ground Glass Focusing Adapter	5520/6	1 Extension Tube 1×	5522/13
1 Focusing Magnifier (for direct focusing)	1251	1 Extension Tube 2×	5522/14
1 Mirror Reflex Focusing Magnifier (for focusing at an angle)	1252	1 Extension Tube 4×	5522/15
2 T-clamps 32/22	1408/02	1 Cross Piece 32/22	1408/04
		1 Transverse Bar 22×800	1408/07
		2 Cross Pieces 22/15	1408/08
		4 Cross Pieces 15/15	1408/010
		2 Lamp Holders 15×400	1408/09
		4 Reflectors with adaptable Holders	1408/011

If desired: 1 Table clamp with Pillar 32 ∅×800 — 1405

LARGE REPRODUCTION APPARATUS — No 1408

WITH REVOLVING PLATE

Item	No	Item	No
1 Base Board with Pillar ∅ 32	1408/01	1 Tripod Thread with Extension	1408/03
1 Focusing Head with Tessar f/3.5, focal length 2″ (50 mm)	563/04	1 Extension Tube 1×	5522/13
1 Ground Glass Focusing Adapter	5520/06	1 Extension Tube 2×	5522/14
1 Focusing Magnifier (for direct focusing)	1251	1 Extension Tube 4×	5522/15
1 Mirror Reflex Focusing Magnifier (for focusing at an angle)	1252	2 Cross Pieces 32/22	1408/04
1 T-clamp 32/22	1408/02	1 Holder Bar 22×350	1408/05
1 Tripod Socket with Extension	1407/015	1 Holder Bar 22×350	1409
		1 Revolving Plate	1408/07
		1 Infinitar Lens	914
		1 Transverse Bar 22×800	
		2 Lamp Holders 14×400	1408/09
		2 Cross Pieces 22/15	1408/08
		4 Cross Pieces 15/15	1408/010
		4 Reflectors with adaptable Holders	1408/011

If desired: 1 Table clamp with Pillar 32 ∅×800 — 1405

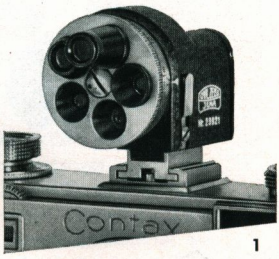
OTHER CONTAX-ACCESSORIES

1 : **Universal finder** for lenses with focal length of $1^1/_8$", $1^3/_8$", 2", $3^3/_8$", $5^3/_8$" (28, 35, 50, 85, 135 mm) 436/7

2 : **Wide-angle viewfinder** for $1^3/_8$" (35 mm) focal length 432/5

3 : **Multiple finder** for focal lengths of $3^3/_8$" and $5^3/_8$" (85 and 135 mm) 438

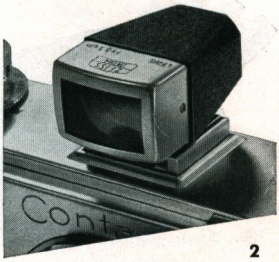
4 : **Special viewfinder attachment** for focal lengths of $3^3/_8$" and $5^3/_8$" (85 and 135 mm) 563/03



1

Screw-on yellow, green-yellow, orange, and red filters
∅ 40,5 mm 373
(fitting on Sonnar f/1.5, focal length 2" (50 mm), Sonnar f/2, focal length 2" (50 mm), Sonnar f/4, focal length $5^3/_8$" (135 mm), and Biogon f/2.8, focal length $1^3/_8$" (35 mm)

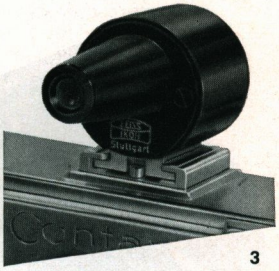
Slip-on yellow, green-yellow, orange, and red filters
∅ 42 mm 325
(for the above listed lenses as well as for Tessar f/3.5, focal length 2") (50 mm)


2

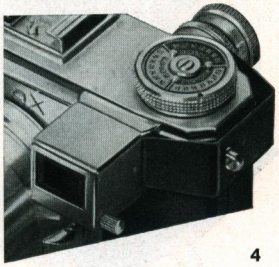
Screw-on yellow, green-yellow, orange, and red filters
∅ 49 mm 383
(for Sonnar f/2, focal length $3^3/_8$") (85 mm)

Filter for Sonnar f/2.8, focal length $7^1/_8$" (180 mm), ∅ 77 mm 384

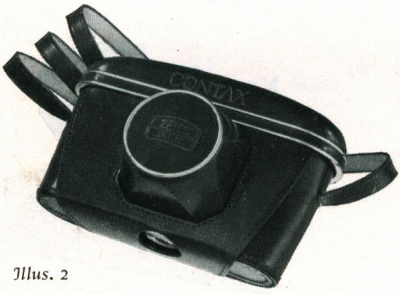
Slip-on Bernotar Polarising Filter, ∅ 42 mm fitting on 332
Sonnar, focal length $5^3/_8$" (135 mm)
Tessar, focal length 2" (50 mm)
Biogon, focal length $1^3/_8$" (35 mm)


3

Slip-on ZEISS Proxar lenses for close-ups
∅ 42 mm, focal length 20" (2 dioptres) (0,5 m) 977/05
∅ 42 mm, focal length 80" (1 dioptre) (1 m) 977/1
for Sonnar f/1.5, focal length 2" (50 mm)
Sonnar f/2, focal length 2" (50 mm)
Tessar f/3.5, focal length 2" (50 mm)
Sonnar f/4, focal length $5^3/_8$" (135 mm)
Biogon f/2.8, focal length $1^3/_8$" (35 mm)


4

Illus. 1



Illus. 2

Illus. 3

Screw-on lens hood, fitting on ∅ 40.5 mm lenses or filters	1104
Lens hood for Sonnar f/2.8, focal length $7^1/_8$″ (180 mm)	1105
CONTAX casette with spool core (Illus. 1)	540/1
Spool core only	540/5
CONTAX rewinding spool	563/01
Special cable release with plunger catch for long exposures	1312/24
Synchro-switch for flash	1361
Synchro-switch with ignition delay for electronic flash	1366
Eye correction lenses	901
Leather cases	
for 2″ (50 mm) CONTAX lenses	764
for Biogon, focal length $1^3/_8$″ (35 mm)	763
for Sonnar, focal length $3^3/_8$″ (85 mm)	762
CONTAX Eveready Carrying Case	1215/24
for Sonnar, focal length $5^3/_8$″ (135 mm)	760
Leather case with carrying strap for lens, filter, and lens hood	
1. for CONTAX Sonnar f/2 focal length $3^3/_8$″ (85 mm)	776
2. for CONTAX Sonnar f/4 focal length $5^3/_8$″ (135 mm)	777
CONTAX Compartment Case	1240/24
Ikoblitz I (see page 46)	1324
Ikoblitz II (see page 47)	1356
Ikotron (see page 48/49)	1314
Ikophot (see page 45)	1329

IKOPHOT

The IKOPHOT, a photo-electric exposure meter made by ZEISS IKON A.G. STUTTGART, gives accurate exposure time and therefore guarantees correctly exposed negatives. On one measuring scale the IKOPHOT indicates the exact exposure time required under any lighting conditions for pictures to be taken in bright sunshine just as for indoor snapshots with the artificial light of the living room lamp or table lamp. Instantly and without any conversion factors the IKOPHOT gives the correct exposure time required for any given lens aperture. The IKOPHOT is not influenced by sidelight, nor by predominant colours. Contrary to black and white films, colour films permit little deviation from the correct exposure time. Therefore, exact exposures are absolutely necessary for colour photography. Since the sensitive cell of the IKOPHOT approximates the colour sensitivity of the human eye, the IKOPHOT is a very reliable and precise exposure meter for colour photography. Like a stop watch, the IKOPHOT indicates and retains the ascertained exposure time until the next observation is made. At a glance on the scale, the photographer, at any moment, can verify the required exposure time without further trouble. The solid, hermetically closed housing of the IKOPHOT protects the highly sensitive instrument against detrimental external influences. With the aid of the ligthdiffusing glass the photographer can measure the amount of light falling upon an object. The IKOPHOT also gives 16 mm and 8 mm movie camera owners the accurate exposure times required for their work.

IKOPHOT exposure meter No 1329

Size: $3'' \times 2^{9}/_{32}'' \times {}^{11}/_{16}''$
$7.6 \times 5.8 \times 1.8$ cm
Weight: 120 g $4^{1}/_{8}$ ozs.

in sturdy Eveready Leather Case incl. slip-on light-diffusing glass for measuring the amount of light falling upon an object.

IKOBLITZ I

The ZEISS IKON IKOBLITZ I is a really reliable flash outfit, it is light in weight and compact. It enables the condition of the flash bulb to be checked prior to firing. Using popular midget bulbs, it is particularly suitable for the keen amateur worker who finds these bulbs so satisfactory. The IKOBLITZ I takes standard 15 mm bayonet socket bulbs only. A neatly built-in glow lamp arrangement enables the photographer to see at a glance whether the flash bulb is in firing condition. The photographer can rest assured that his bulb is O. K. if the signal lamp glows when slight additional pressure is applied to the bulb when inserting. Standard torch batteries are used with this outfit. An Osram 6 Volt 0.05 Ampère lamp, type E 10 serves as a control lamp.

IKOBLITZ I with indicator lamp and connecting cable with standard plug fitting without batteries and flash bulbs.
Code No 1324

Control lamp for IKOBLITZ, single:
6 Volt 0.05 Ampère midget lamp 1300

Size: erected approx. 8″ × 12½″ (32 × 20.5 cm)
Size: disassembled for carrying
approx. 9″ × 6″ (22.5 × 15.5 cm)
Weight: without batteries approx. 8 ozs.

ZEISS IKON

IKOBLITZ II

The ZEISS IKON IKOBLITZ II is also equipped with built-in indicator lamp to show the proper functioning of the flash unit and it is particularly suitable for the reporter or advanced worker. A multiple switching arrangement shows if the flash bulb is in good condition when set in position I. In position II, the continuity of the circuit and camera flash contacts is shown, and with the camera unloaded, the timing of the glow in relation to the opening of the shutter can also be seen. With the switch in position III, the flash can be fired either by the contacts built into the shutter or by the use of a separate firing button which is also incorporated in the battery holder. The IKOBLITZ II has also provision for plugging in extension flash units. It takes all types of flash bulb. Three standard U 2, 1.5 volt cells are used with the IKOBLITZ II. An Osram 6 Volt 0.05 Ampère lamp, type E 10 serves as a control lamp.

IKOBLITZ II

Size: Approx. 17½" × 10" (43 × 25 cm)
Weight: Without batteries, approx. 16 ozs.

with multiple indicator switch, indicator glow lamp and built-in sockets for extension plugs, without connecting cable or batteries	1356
Cable with plug approx. 18" (0.45 m)	1356/02
Cable with plug approx. 36" (0.9 m)	1356/03
Extension cable	1364
Adapter to accept standard midget bulbs, with ejector	1356/01
Control lamp for IKOBLITZ, single: 6 Volt 0.05 Ampère midget lamp	1300

IKOTRON

ELECTRONIC FLASH UNIT ZEISS IKON »IKOTRON«

(REBIKOFF-CERBERUS METHOD)

The IKOTRON constitutes a novel electronic flash unit which by its matchless simplicity and great reliability in service insures to reporters and photographers successful photographic work with electronic flashes.

By the use of a high tension dry battery of 1200 Volts the photographer is equipped with 2000 flashes without any need of having to recharge the source of power. The dry battery being exhausted, it is replaced by a new one. This may be done by any user without any risk. The dry battery may, of course, be tipped at any time, i. e. no acid is apt to flow off, even if the battery is tipped or put lengthwise.

The use of the flash unit is very simple: By introducing the plug, the IKOTRON is made ready for service, by pulling the plug out, it is disconnected. The interval between the flashes is diminutive, being less than a second in the case of a fresh battery and increasing to 1 or 2 seconds after 1000 or 1500 discharges. Besides this, the IKOTRON works absolutely silently. The light weight of 10 lb. 5¾ oz. is remarkable.

An increased light intensity is obtained by the novel form of the flash tube and the careful adjustment of the reflector, so that the lens can be stopped down to 8, when using the film sensitivity of 17/10° DIN (32 ASA) and photographing at a distance of 4½ yards. Thus, the electrical capacity could be fixed at 75 Wattseconds in favour of the light weight and the very great number of flashes.

The form and construction of this flash unit are adapted to the greatest expediency. The flash tube, for instance, is protected on all sides by a bulb of almost unbreakable plexiglass. The IKOTRON is usually released by the flash contact of the camera. It can, however, also be released by a push button switch. For an increased plastic illumination, two flash tubes can be

used, the light intensity being in this case distributed to these two tubes. By the application of a photo cell, i. e. without using a cable, the IKOTRON can furthermore be released by another IKOTRON, so that by using a guide flash unit, an unlimited number of additional flashes may be fired for lighting up large rooms.

Technical data:

Source of power:	High tension dry battery (may be exchanged by user without risk)
Service tension:	1200 Volts
Electrical capacity:	75 Wattseconds
Duration of flash:	1/2000 second
Interval between flashes:	Less than 1 second in case of a fresh battery
Number of flashes:	More than 2000 flashes per battery
Release of flash:	By flash contact of camera, by manual push button release, by photo cell
Weight:	IKOTRON housing approx. 10 lb. 5¾ oz. 1314
Size:	4 1/3″ × 7 1/2″ × 8 1/4″

IKOTRON (Rebikoff-Cerberus-System)

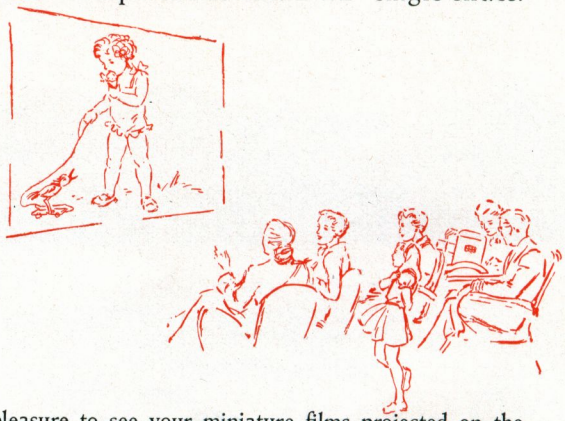
with flash tube, 1200 Volt high-tension dry battery and hand release	1314
Extra battery 1200 Volt	1314/01

FURTHER ACCESSORIES:

IKOTRON flashgun with tube, reflector and extension cord and plug, however, without hand release (for extension flash photography with two IKOTRON flashguns)	1314/02
Extension cord for connecting cord 1314/07, length 2000 mm (for greater distance between IKOTRON and camera)	1314/08
Remote Control for distant release of the IKOTRON flashgun	1314/012
Extension cord between IKOTRON and IKOTRON flashgun (for extension flash or sidelighting with one flash)	1314/013
Hand release for IKOTRON flashgun	1314/03
Flash tube for IKOTRON flashgun	1314/04
Reflector for IKOTRON flashgun	1314/05
Angle extension bracket, complete set with tripod thread screws of 1/4" and 3/8" diameter	1314/06
Connecting cord for connecting IKOTRON flashgun and camera, with plug for Compur and Prontor shutters, 300 mm	1314/07
Milled screw for angle extension bracket and reflector	1314/09
Holding screw (1/4") for attaching camera to angle extension bracket	1314/010
Holding screw (3/8") for attaching camera to angle extension bracket	1314/011

AVISO II

PROJECTOR for 35 mm film transparencies and 2"x2" single slides.



It is, indeed, a great pleasure to see your miniature films projected on the screen by the AVISO in large, bright, evenly illuminated pictures. The most delicate and minute details of your pictures, especially those in colour, are most vividly and effectively shown by the AVISO.

The 35 mm projector AVISO II combines excellent light transmission with special protection from heat and wear and tear of slides and film strips. The spacious lamp housing with its three condenser lenses is excellently ventilated.

Without reducing the light efficiency of the AVISO a special filter absorbs most of the heat emanating from the projector bulb. For projection of single slides the AVISO is equipped with a slide changer or a vertical slide chute; film strips are projected with the aid of a film strip holder. For adjustment of the level of the screen image the feet of the AVISO can be adjusted. For the projection of horizontal and vertical pictures of film strips, the lens mount can be turned through 90°.

The AVISO is equipped with a high speed, coated lens, the IKON ORIKAR, focal length 3 1/8" (80 mm), ensuring needle sharp edge-to-edge definition. For projection of slides or film strips in larger auditoriums, particularly in schools and university lectures, the AVISO II can also be equipped with an IKON ORIKAR, focal length 6" (150 mm). As easily as a desk lamp the AVISO can be connected with the ordinary electric installation. All the pleasant events which a photographer has taken with his camera on black and white or colour films appear like life before his eyes when projected on the screen by the AVISO.

AVISO II

35 mm projector for the projection of 2″ × 2″ (50 × 50 mm) slides (actual picture size 1″ × 1 1/2″ [24 × 36 mm] and smaller) and 35 mm film strips (picture size 1″ × 1 1/2″ [24 × 36 mm] and smaller).

Tested and approved for use in schools and universities by the German Institute for Films and Pictures for Scientific and Instructional Purposes.

With slide changer, vertical slide opening and coated IKON ORIKAR f/2.8, focal length 3 1/8″ (80 mm), without projector lamp 1422/1

with same equipment, but with coated IKON ORIKAR f/3.2, focal length 6″ (150 mm) 1422/0

Film strip holder for AVISO II with two spools 1422/31

Projector bulb, 250 Watt. 110 Volt 1360

Projector bulb 250 Watt, 220 Volt 1359

Resistance for transforming 220 V power supply for the use of a 250 Watt / 110 Volt bulb 1304

Case for 35 mm projector AVISO and accessories 1422/01

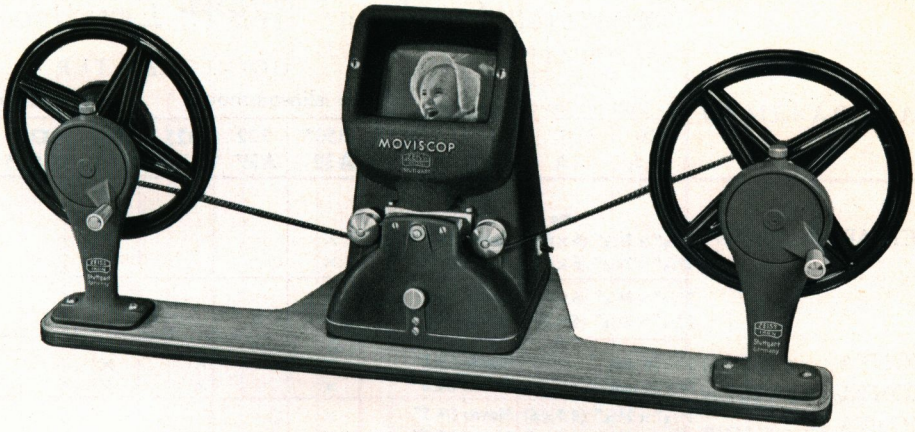
Filmspool for film strip holder 1425

MOVISCOP

THE ZEISS IKON VIEWING AND EDITING APPARATUS FOR 8 OR 16 mm CINE FILMS

For a long time 8 or 16 mm cine amateurs have been waiting for the creation of a device with which they can examine their films and, while running them through a film editor, mark them wherever they are to be cut or titled. The new ZEISS IKON MOVISCOP viewing and editing apparatus for 8 or 16 mm spools will fulfill these wishes.

While the film is running through the MOVISCOP it is projected to a viewing lens. The projected image is so bright that the viewing need not be done in a dark room. The film is advanced by a transport roller which is rotated by the film perforation. The film is projected through a rotating prism which also serves as an optical adapter. The MOVISCOP has neither pressure rollers nor channels; therefore, the film is not exposed to unnecessary wear and tear in the editing process. As the film is held in the focal plane only by the tension of the take-up spool, it is necessary to slow down the rotation of the feeding spool. This is done by adjustable friction or the feeding spool. Wherever the film is to be cut, the respective spot can be notched by a slight pressure on the cutter. The film may be run through the MOVISCOP forward or backward. The right hand transmission is so geared that in running the spool forward, as is most usual, and in turning it normally, the film will be advanced at the regular projector speed. The left transmission, however, is geared for highspeed rewinding. Consequently, the winding mechanism of the MOVISCOP is especially suitable for respooling the film.



In many cases the cine amateur will buy the MOVISCOP seperately, because he already possesses a rewinder. However, we want to call attention to the fact that the usual type of rewinders cannot be slowed down and have such a high speed that they are not very suitable for use with a film editor such as the MOVISCOP.

The MOVISCOP is not only an invaluable aid to the amateur in editing his films but it is also an important equipment for the cine camera dealer. Every cine amateur may, for instance, wish to view his newly processed spools in the MOVISCOP right in the dealer's shop. With the MOVISCOP the dealer needs neither dark room nor projector to meet this wish of his customer. Moreover, the MOVISCOP is very useful to the dealer for showing films which he wants to sell or lend to his customers.

The MOVISCOP is the perfect viewing and editing apparatus for the cine amateur.

The MOVISCOP may be connected to the usual A.C. house electric installation.

MOVISCOP Viewing and Editing Apparatus

for 8 mm film with bulb, but without rewinder	1430/28
same equipment for 16 mm film	1430/30
Bulb 25 V, 1 Ampère for MOVISCOP	1357
Rewinder for MOVISCOP film editor for 8 or 16 mm spools	5004/28

For which Camera: Which Lens Hood?

CAMERA		LENS	FILTER slip-on mount 350* A 32	322 A 37	325 A 42	screw-on mount 382 S 27	371 S 35.5	373 S 40.5
	cm							
NETTAR II	$2^1/_4$″ × $2^1/_4$″ (6 × 6)	Novar f/6.3″	×					
	$2^1/_4$″ × $2^1/_4$″ (6 × 6)	Novar f/4.5″	×				×	
	$2^1/_4$″ × $3^1/_4$″ (6 × 9)	Novar f/6.3″	×					
	$2^1/_4$″ × $3^1/_4$″ (6 × 9)	Novar f/4.5″		×				×
IKONTA	24 × 36 mm	Novar f/3.5″	×			×		
IKONTA I and II	24 × 36 mm	Tessar f/2.8″	×			×		
IKONTA III	$1^3/_4$″ × $2^1/_4$″ (4.5 × 6)	Novar f/4.5″	×				×	
	$1^3/_4$″ × $2^1/_4$″ (4.5 × 6)	Novar f/3.5″	×				×	
	$1^3/_4$″ × $2^1/_4$″ (4.5 × 6)	Tessar f/3.5″	×				×	
	$2^1/_4$″ × $2^1/_4$″ (6 × 6)	Novar f/4.5″	×				×	
	$2^1/_4$″ × $2^1/_4$″ (6 × 6)	Novar f/3.5″	×				×	
	$2^1/_4$″ × $2^1/_4$″ (6 × 6)	Tessar f/3.5″	×				×	
	$2^1/_4$″ × $3^1/_4$″ (6 × 9)	Novar f/4.5″		×				×
	$2^1/_4$″ × $3^1/_4$″ (6 × 9)	Novar f/3.5″						×
	$2^1/_4$″ × $3^1/_4$″ (6 × 9)	Tessar f/3.5″		×				×
SUPER IKONTA	$1^3/_4$″ × $2^1/_4$″ (4.5 × 6)	Tessar f/3.5″	×				×	
SUPER IKONTA I	$2^1/_4$″ × $2^1/_4$″ (6 × 6)	Tessar f/2.8″		×				
SUPER IKONTA II	$2^1/_4$″ × $2^1/_4$″ (6 × 6)	Tessar f/2.8″		×				
SUPER IKONTA	$2^1/_4$″ × $3^1/_4$″ (6 × 9)	Tessar f/3.5″		×				×
IKOFLEX Ia	$2^1/_4$″ × $2^1/_4$″ (6 × 6)	Novar f/3.5″		×			×	
IKOFLEX II	$2^1/_4$″ × $2^1/_4$″ (6 × 6)	Tessar f/3.5″		×			×	
CONTESSA	24 × 36 mm	Tessar f/2.8″	×			×		
CONTAX IIa and IIIa	24 × 36 mm	Tessar f/3.5″			○			
		Sonnar f/2			○			×
		Sonnar f/1.5			○			×
		Sonnar f/2/$3^3/_8$″						
		Sonnar f/4/$5^3/_8$″			○			×
		Biogon f/2.8/$1^3/_8$″			○			×
		Sonnar f/2.8/$7^1/_8$″						
		Sonnar f/4/12″						
		Sonnar f/8//20″						

* The upper figures are item numbers; the lower figures are filter designations. ** ϕ 77 screw-on mount; × = available;

Which Filter? Which Supplementary Lens?

	LENS HOOD slip-on mount			LENS HOOD screw-on mount				SUPPLEMENTARY LENSES slip-on mount			CAMERA
3 9	1100 A 32	1101 A 37	A 42	1103 S 27	S 35.5	S 40.5	S 49	975 A 32	976 A 37	977 A 42	
	×							×			NETTAR II
	×				○			×			
	×							×			
		×				○[1]			×		
				×				×			IKONTA
				×				×			IKONTA I and II
	×				○			×			IKONTA III
	×				○			×			
	×				○			×			
	×				○			×			
		×				○[1]			×		
						○[1]					
		×				○[1]			×		
	×				○			×			SUPER IKONTA
		×							×		SUPER IKONTA I
		×							×		SUPER IKONTA II
		×				○[1]			×		SUPER IKONTA
		×			○			see Catalogue			IKOFLEX Ia
		×			○			" "			IKOFLEX II
				×				×			CONTESSA
			○			×[2]				×	CONTAX IIa und IIIa
			○			×[2]				×	
			○				○			×	
			○			×[2]				×	

n preparation; ○[1] = inner thread; ×[2] = outer thread; item No. 1104.

CAMERA ACCESSORIES

(CONTAX Accessories are also listed from pages 42 to 48)

Lens hoods

Against the light photographs can be fascinating pictures, but the source of light must not shine directly upon the lens. The lens hood protects the lens from direct light.

slip-on lens hood ∅ 28.5 mm	1110
slip-on lens hood ∅ 32 mm	1111
slip-on lens hood ∅ 37 mm	1112
slip-on lens hood ∅ 37 mm (only for Ikoflex)	1114
screw-on lens hood ∅ 27 mm	1103
screw-on lens hood ∅ 40.5 mm	1104
screw-on lens hood ∅ 77 mm	1105

Supplementary Lenses for Close-ups (ZEISS PROXAR Lenses)

In order to render small objects on a large scale they have to be photographed at a close range.
Supplementary lenses permit photographs from 80″ down to 12″, i. e. they can be used to take flowers, insects and similar objects on a large scale. These supplementary lenses for close-ups are slipped on the objective lens. A table gives the necessary data concerning distance, distance setting, and reproduction scale.

Slip-on supplementary lenses for close-ups, ∅ 32 mm,

focal length	80″	40″	20″	(2 m / 1 m / 0.5 m)	
	0.5	1	2	dioptres	975/2, 975/1, 975/05

Slip-on supplementary lenses for close-ups, ∅ 37 mm,

focal length	80″	40″	20″	(2 m / 1 m / 0.5 m)	
	0.5	1	2	dioptres	976/2, 976/1, 976/05

Slip-on supplementary lenses for close-ups, ∅ 42 mm,

focal length	40″	20″	(1 m / 0.5 m)	
	1	2	dioptres	977/1, 977/05

For the IKOFLEX, ZEISS IKON has designed paired supplementary lenses for the taking and the viewing lenses.

Slip-on Twin-Supplementary Lenses for Close-ups, ∅ 28.5 and 37 mm

focal length 40″ (1 m) (1 dioptre)	**995/51/54**
focal length 20″ (0.5 m) (2 dioptres)	**995/52/55**

Filters

By using filters for landscape photography, the rendering of clouds and distant views is greatly improved. In addition, filters serve for rendering more correctly or more effectively the tone values and shades of colours.

Yellow, green-yellow, orange, red filters

with screw- on mount ∅ 27 mm	382
with screw-on mount ∅ 35.5 mm	371
with screw-on mount ∅ 40.5 mm	373
with screw-on mount ∅ 49 mm	383
with screw-on mount ∅ 77 mm	384
with slip-on mount ∅ 32 mm	350
with slip-on mount ∅ 37 mm	322
with slip-on mount ∅ 42 mm	325

Hints as to the choice of Filters

Filter	Suitable for	Type of Film	Filter factor
yellow filter	Landscapes Seaside photographs Portraits against blue sky from	Ortho and Orthopan film 15/10 to 18/10 DIN	2
green-yellow filter	Springtime and summertime pictures with green predominating landscapes, still-life reproductions of paintings	Orthopan film	2
orange filter	Cloud effects Distant views without foreground	Orthopan film	5
red filter	To increase contrasts and to achieve certain pictorial effects	Orthopan film	8

ZEISS IKON filters are available with slip-on or screw-on mounts for every camera with standard lens mounts.

Bernotar Polarising Filters

for prevention of flares and reflexes on glistening surfaces;
in leather case

slip-on mount ∅ 32 mm	330
slip-on mount ∅ 37 mm	331
slip-on mount ∅ 42 mm	332

Special, coupled twin-polarising filters will be available for the IKOFLEX to permit studying of the filter effect on the ground glass.

Slip-on mount (in preparation)

Other Accessories

Special cable release with plunger catch for long exposures	1312/24
Extension cord	1364
Flash connecting cord without plug	1363
Plugs for connecting old model flash contacts	1362
MOVIKON K 8 film spool inset	5501/01
Mask for reduction of SUPER IKONTA $2^1/_4'' \times 3^1/_4''$ picture to $1^3/_4'' \times 2^1/_4''$ (4.5 × 6 cm)	
Carrying strap for IKOFLEX and IKONTA 24 × 36	Tr. 499
Carrying strap with two hooks	Tr. 500

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ZEISS IKON

STUTTGART · GERMANY

ZEISS *Reflector Lamps Ensure Good Lighting*

ZEISS IKON *Safety Locks Protect Against Burglary*

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page 23	IKONTA $1^3/_4" \times 2^1/_4"$ (4.5×6 cm) Tessar f/3.5, focal length 3" (75 mm)	diaphragm f/5.6	exposure time $^1/_{100}$ sec. *taken by Koch*
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