

MINOX

GERMANY



PRODUCT-INFORMATION

MINOX DC 5211 THE SMALL HIGH-PERFORMANCE DIGITAL CAMERA

The MINOX DC 5211 with 5.25 megapixels is a compact and high-performance camera for the discerning amateur. Equipped with an elegant metal body, cleverly thought out operating controls and a feature allowing video and voice recording, this camera is ready for every occasion and opens up new realms of photography.

This digital highlight from MINOX has a CCD image sensor with 5.25 million pixels. The

high-performance, fast MINOCTAR lens with multiple coating and 3x zoom boasts an autofocus feature. Freely selectable shutter speeds and apertures give the photographer freedom for creative picture composition. Thanks to the individual adjustment to the 5.25 megapixel sensor, and in coordination with the electronics and software of the MINOX DC 5211, the MINOCTAR lens provides highly dynamic images with natural color rendition. The automatic white balance ensures the right

exposure, even in difficult light conditions, so that the user always has natural colors and the correct setting for the subject in view. Also the four flash functions provide optimal adjustment of the shot to the outside conditions.

In spite of its compact dimensions the MINOX DC 5211 has a 1.5" TFT color monitor which allows the immediate assessment of the image during and after the shot. The use of SD memory cards of up to 256 MB guarantees maximum flexibility. A fast image sequence and minimum shutter release delay permit spontaneous candid photography in any situation.

A USB interface on the MINOX DC 5211 ensures uncomplicated transmission of the image files to the computer. The pictures can be digitally touched up using the provided software and sent on by e-mail. Based on the precision detail and pin-sharp definition outstanding enlargements can be made from the images – even in large formats.

Extremely compact dimensions (93 mm x 35 mm x 58 mm) make the MINOX DC 5211 the ideal companion for every occasion. The sturdy all-metal body emphasizes the timeless elegance of the camera. The scope of delivery includes 2 rechargeable Li-Ion batteries, 16 MB SD Card, a case, wrist strap, USB cable, video cable, CD-ROM and user's manual.

TECHNICAL DATA

Image Sensor	1/1.8" 5.25 mega pixel CCD Sensor
Image	2,560 x 1,920 pixels / 2,048 x 1,536 pixels /
Resolution	1,280 x 960 pixels / 640 x 480 (still) / 320 x 240 / 160 x 120 (moving)
Colour	24-bit Color (RGB)
Lens	Autofocus MINOCTAR lens
Aperture	f/2.8 ~ f/4.7
Focusing range	0.30 m to infinity (Macro Tele) / 0.09 m to infinity (Macro wide angle) 0.80 m to infinity (Standard) / manual focussing possible
Exposure	Program / TV / AV / Manual / Portrait / Sports / Night
Exposure compensation	Manual: 0.5 EV Stepp, -2.0 ~ +2.0 EV
Image capturing	Single / Continuous / Auto exposure
Focal length	f/7.2 mm ~ 21.6 mm (corresponds to 35 ~ 105 mm with 35 mm format)
Shutter speed	8 ~ 1/1500 s
Zoom	3x optical zoom and 2x digital zoom (capture mode); 2x and 4x zoom (playback mode)
White Balance	Auto, Incandescent, Fluorescent 1, Fluorescent 2, Daylight, Cloudy, Manual
LCD	1.5" color TFT
Flash	integrated
Flash programme	Auto, Fill-In, OFF and Red-Eye-Reduction
ISO sensitivity	100~400(Auto), 100/100-200/100-400 except Auto
Voice record	Voice recordings can be added to every photo
Self Timer	10 s, 2 s, 10+2 s, Interval up to 10 s
File Format	JPEG (EXIF 2.2), DCF, DPOF, M-JPEG, AVI
Memory	External memory SD card up to 512 MB. Fine / Normal / Basic 13/26/52 images (by 16 MB SD card)
Language Support	German, Engl., J, F, I, Sp, Port., Chin. (traditional and simplified)
Software	MGI Photo Suite III SE, Photo Vista
System requirement	Windows 98/98SE/2000/ME/XP; Mac OS 8.6 or later
Connectors	DC-IN port, USB-port, Video output (NTSC/PAL selectable)
Power	Rechargeable Lithium Ion Battery, AC-DC Adapter (5 V)
Dimensions	3.7 x 1.4 x 2.3 inches / 93 x 35 x 58 mm
Weight	approx. 170 g, 6.0 oz.
Scope of delivery	rechargeable Li-Ion battery, SD Card (16 MB), ever-ready case, wrist cord, USB-cable, video cable, CD-ROM
Order number	60614

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4.0 MEGA PIXEL

MINOX
GERMANY



PRODUKT-INFORMATION

MINOX DD200

DIGITAL UND KOMPAKT IM EDELSTAHL-LOOK

Die MINOX DD200 ist ein echter Allround-Begleiter und präsentiert sich im eleganten Edelstahl-Look. Doch die kleine, flache Kamera ist nicht nur schön anzusehen. Dem Anwender stehen auch alle erforderlichen technischen Raffinessen zur Verfügung.

4 Millionen Pixel Auflösung und 4-facher digitaler Zoom garantieren exzellente Bilderergebnisse. Trotz ultrakompakter Abmessungen von nur 94 mm x 56 mm x 26 mm verfügt die neue MINOX DD200 über einen 1,5" TFT-Farbmonitor, der eine sofortige Bildbeurteilung während und nach der

Aufnahme ermöglicht. Eine schnelle Bildfolge und die geringe Auslöseverzögerung gestatten spontane Schnappschüsse in allen Situationen. Der integrierte Blitz schaltet sich bei Bedarf automatisch zu und sorgt für eine optimale Ausleuchtung, selbst unter kritischen Lichtverhältnissen. Mit der Option der Videoaufzeichnung eröffnet die neue DD200 dem Anwender ganz neue Möglichkeiten des Fotografierens, so dass unwiederbringliche Momente auch als Video festgehalten werden können.

Zusätzlich zum internen Speicher können SD-Karten mit bis zu 128 MB Speicherkapazität verwendet werden. Durch diese Möglichkeit, eine Vielzahl von Aufnahmen festzuhalten, wird dem Fotografen ein größeres Maß an Flexibilität geboten.

Mit dem im Lieferumfang enthaltenen USB-Kabel werden die Aufnahmen schnell und einfach auf den Computer übertragen. Die Fotos können dann am PC mit jeder handelsüblichen Bildbearbeitungssoftware nachbearbeitet und direkt weitergeleitet werden. Ebenfalls im Lieferumfang enthalten sind 2 AAA-Batterien, Tasche, Handschlaufe, CD-ROM und Bedienungsanleitung.

TECHNISCHE DATEN

Bildauflösung	4,0 Megapixel (3,2 MP Hardware-Auflösung) 2048 x 1536 Pixel / 2304 x 1728 (interpoliert) / Webcam/Video: 320 x 240 Pixel
Bildsensor	CMOS
Bildspeicher Kapazität	hohe Kompression: 36 Bilder in einer Auflösung von 2048 x 1536 Pixel geringe Kompression: 27 Bilder in einer Auflösung von 2048 x 1536 Pixel unkomprimiert: 17 Bilder in einer Auflösung von 2048 x 1536 Pixel interpoliert (4,0 MP): 17 Bilder in einer Auflösung von 2304 x 1728 Pixel
Farbtiefe	24-bit RGB (8 bit x 3 Farben)
Objektiv	5 Elemente Glaslinsen mit integriertem Infrarot-Filter
Blende	f/2,8
Brennweite	9,6 mm, bezogen auf Kleinbild: ca. 48 mm
Schärfereich	von 1,5 m bis unendlich
Belichtungssteuerung	automatisch
Belichtungskorrektur	Blendenstufen -1,8 bis +1,8 (in Stufen von 0,3)
Verschlusszeit	automatisch
Digitalzoom	4 x digitaler Zoom im Aufnahme-Modus, bis zu 5-facher Zoom im Wiedergabe-Modus
Weißabgleich	Auto, Tageslicht, Bewölkt, Glühbirne, Kunstlicht, Nacht
Monitor	1,5" TFT-Monitor
Blitz	integriert
Blitzprogramme	Auto, Ein, Aus
Selbstausröser	10 Sekunden Verzögerung
Aufzeichnung	JPEG, AVI
Speichermedien	interner Speicher mit 16 MB; externer Speicher mit SD-Karte (bis zu 128 MB)
Menüsprachen	Deutsch, Englisch, Französisch, Italienisch, Spanisch, Portugiesisch, Chinesisch (Trad. + Simpl.), Japanisch
Systemanforderung	Windows 98SE/ME/2000/XP; Mac OS 8.6 oder spätere Versionen
Externe Anschlüsse	USB-Anschluss, SD-Karten-Fach
Stromversorgung	2 Batterien (Größe AAA/LR03) oder Akkus (nur NiMH-Typen!), über USB-Verbindung
Abmessungen	94 x 56 x 26 mm (B x H x T)
Gewicht	ca. 100 g
Lieferumfang	Tasche, Handschlaufe, USB-Kabel, CD-ROM, 2 AAA Batterien, Anleitung
Bestellnummer	60622

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PRODUKT-INFORMATION

MINOX DC 6311

KLEIN UND KOMPAKT MIT MEHR ALS 6 MILLIONEN PIXEL

Die MINOX DC 6311 mit 6,36 Mio. Pixel ist eine der kleinsten Digitalkameras dieser Klasse. Doch ihre Leistungsmerkmale sind mindestens so beeindruckend wie ihr elegantes Edelstahlgehäuse. Der 3-fach optische Zoom und der große 2 Zoll TFT-Farbmonitor machen diese kleine leistungsstarke Digitalkamera zu einem begehrtesten Objekt für alle ambitionierten Fotografen.

Die MINOX DC 6311 verfügt über einen CCD-Bildsensor mit 6,36 Megapixel sowie über ein licht- und leistungsstarkes MINOCTAR Objektiv

mit Mehrschichtvergütung. Das 3-fach Zoom Objektiv mit Autofocus bietet dem kreativen Fotografen durch die frei wählbaren Verschlusszeiten und Blenden großen gestalterischen Spielraum. Individuell auf den 6,36 Megapixel-Sensor abgestimmt, führt das MINOCTAR Objektiv zusammen mit Elektronik und Software der MINOX DC 6311 zu Aufnahmen mit natürlicher Farbwiedergabe und hoher Dynamik. Die zusätzliche Option der Wahl des manuellen Modus – wie z.B. für Nacht-, Sport- oder Portrait-Aufnahmen – eröffnet dem ambitionierten Ama-

teurfotografen weitere gestalterische Möglichkeiten. Der automatische Weißabgleich sorgt auch bei ungünstigen Lichtverhältnissen für eine optimale Belichtung, so dass der Anwender immer natürliche Farben und die richtige Einstellung für das jeweilige Motiv erhält. Die vier verschiedenen Blitzfunktionen ermöglichen eine optimale Abstimmung der Aufnahme auf die äußeren Gegebenheiten. Eine schnelle Bildfolge und die geringe Auslöseverzögerung gestatten spontane Schnappschüsse in allen Situationen. Die Option zur Video- und Sprachaufzeichnung eröffnet ganz neue Möglichkeiten des Fotografierens. Mit der Option der Videoaufzeichnung eröffnet die neue DC6311 dem Anwender ganz neue Möglichkeiten des Fotografierens, so dass unwiederbringliche Momente auch als Video festgehalten werden können.

Der große 2,0" TFT-Farbmonitor bietet eine bequeme und sofortige Bildbeurteilung während und nach der Aufnahme und ist zudem durch seine Schärfe und Brillanz auch bei Sonnenlicht gut ablesbar.

Die USB-Schnittstelle der MINOX DC 6311 sorgt für eine unkomplizierte Übertragung der Bilddateien auf den Computer. Mit der mitgelieferten Software können die Fotos am PC nachbearbeitet und direkt weitergeleitet werden. Aufgrund ihrer äußerst geringen Abmessungen reiht sich die MINOX DC 6311 in die Klasse kompakter und leistungsstarker Kameras ein. Im Lieferumfang enthalten sind Li-Ionen Akku, SD-Karte (32 MB), Tasche, Trageriemen, USB- und Videokabel, CD-ROM, Handbuch.

TECHNISCHE DATEN

Bildsensor	1/1,8" 6,36 Mega Pixel CCD Sensor
Bildauflösung	2.816 x 2.112 Pixel / 2.272 x 1.704 Pixel/ 1.600 x 1.200 Pixel 640 x 480 Pixel (Standbild) / 320 x 240 (Video mit Ton) ohne Zeitlimit bis Karte voll
Farbtiefe	24-bit RGB
Objektiv	Autofocus MINOCTAR Objektiv
Blende	f/2,8 ~ f/4,7
Fokussierbereich	ca. 0.80 m bis unendlich (Weitwinkel und Tele); ca. 0.09 m bis unendlich (Makro-Weitwinkel); ca. 0.30 m bis unendlich (Makro-Tele); manuelle Einstellung
Belichtung	Programmautomatik / Verschlusszeit-Priorität / Blenden-Priorität / Manuell / Portrait / Sport / Nacht
Belichtungsmessung	Mehrfeld- oder Spot-Messung
Belichtungskorrektur	2 EV ~ +2 EV (in Schritten von 1/3 EV)
Brennweite	f/7,2 mm ~ 21,6 mm (35 - 105 mm bezogen auf Kleinbild)
Verschlusszeiten	1/2 - 1/1500 sec / Langzeitbelichtung: 8 - 0,6 sec
Zoom	3x optisch, 4,4x digital (Aufnahme-Modus); 2x und 4x (Wiedergabe Modus)
Weißabgleich	Auto, Manuell, Vorauswahl: Tageslicht, Wolken, Neonlicht 1, Neonlicht 2, Glühbirne
Monitor	2,0" LTPS-TFT-Farbmonitor
Blitz	integriert, Reichweite 0,6 - 3m (Weitwinkel/ISO200)
Blitzprogramme	Auto / Vorblitz gegen Rote-Augen-Effekt / Blitz aus / Blitz an
ISO-Empfindlichkeit	entspricht ISO 50/100/200/ automatisch ISO 50 - ISO 200
Tonaufnahme	zu den aufgenommen Bildern können Sprachnotizen hinzugefügt werden
Selbstauslöser	10, 2, 10+2 sec., Intervall (1, 3, 10, 60 min.)
Aufzeichnung	JPEG (EXIF 2.2), DCF, DPOF, AVI, TIFF (nur bei 2816 x 2112 Pixel)
Aufzeichnungsqualität	Fein / Normal / Economy / TIFF
Speichermedien	externer Speicher mit SD Karte bis zu 512 MB.
Unterstützte Sprachen	D, Engl, F, I, Sp, Chin. (Traditional), Chin. (Simplified)
Software	Mr. Photo Image Folio
Systemanforderungen	Windows 98/98SE/2000/ME/XP; Mac OS 8.6 oder spätere Version
Externe Anschlüsse	DC-Eingang (5V), USB-1.1-Anschluss, Audio/Video-Ausgang (NTSC oder PAL)
Stromversorgung	aufladbare Li-Ionen Akku, AC-DC-Adapter (5 V)
Abmessungen	94 x 35 x 63 mm
Gewicht	ca. 180 g
Lieferumfang	Li-Ionen Akku, Tasche, Handtrageriemen, USB-Kabel, Video-Kabel, CD-ROM, Handbuch, SD Karte (32 MB)
Bestellnummer	60618

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PRODUCT INFORMATION

MINOX DC 6311

VERY SMALL, ULTRA COMPACT, GREAT LOOKING BUT SPORTING OVER 6 MILLION PIXELS!

The MINOX DC 6311 with 6.36 million pixels is one of the smallest digital cameras of its kind and its elegant stainless steel body is host to a most impressive range of features. The 3x optical zoom and the large 2" TFT color monitor make this small, attractive and well priced digital camera a very nice camera to own and use.

The MINOX DC 6311 features a CCD image sensor with 6.36 megapixels and boasts a fast, high-performance multi-coated MINOCTAR lens. The 3x zoom lens with autofocus allows the user plenty of freedom to concentrate on

actual picture composition while still operating the easily selectable shutter speeds and apertures. A combination of the 6.36 megapixel sensor and the MINOCTAR lens, together with the cameras electronics and the software of the MINOX DC 6311, ensures dynamic images with expected natural color rendition. The added option to select manual mode – for night-time, sports or portrait photography as examples – opens up new areas of creativity for the discerning amateur or 'snap-shooting' pro's. The automatic white balance ensures correct exposure, even in difficult lighting con-

ditions, providing the user with natural colors and the correct setting for the subject in view, every time. The four flash functions make use of the best available lighting conditions for the best use of flash at all times. A fast image sequence and minimal shutter release delay allow for spontaneous snapshots just when you need them. A whole new range of creative photographic possibilities are opened up by the inclusion of the video and voice recording features. The optional video recording feature of the new DC6311 opens up a completely new area of photography for the user, making it possible to capture those fleeting moments on video as well.

TECHNICAL DATA

Image Sensor	1/1.8" 6.36 Mega Pixel CCD Sensor
Resolution	2,816 x 2,112 pixels / 2,272 x 1,704 pixels / 1,600 x 1,200 pixels / 640 x 480 pixels (still) / 320 x 240 (video) no time limit, until memory card is full
Colour	24-bit RGB
Lens	Autofocus MINOCTAR lens
Aperture	f/2.8 ~ f/4.7
Focusing range	0.80 m to infinity (wide angle and tele) / 0.09 m to infinity (macro wide angle) 0.30 m to infinity (macro tele) manual focusing possible
Exposure	programmed automatic exposure / Manual / Portrait / Sport / Night
Exposure Compensation	2 EV ~ +2 EV (1/3 EV steps)
Focal length	f/7.2mm~21.6mm (35~105mm with 35mm format)
Shutter speed	1/2 - 1/1500 sec / Long: 8 - 0,6 sec
Zoom	3x optical, 4.4x digital (capture mode); 2x and 4x (playback mode)
White Balance	Auto, Manual, Pre-selection: Daylight, Cloudy, Fluorescent 1 or 2, Incandescent
LCD	2,0" LTPS-TFT colour LCD
Flash	integrated
Flash programme	Auto / Red-Eye-Reduction / Fill-In / Off
ISO-sensitivity	corresponds to ISO 50/100/200/ Auto ISO 50 - ISO 200
Voice record	Voice recordings can be added to every photo
Self Timer	10, 2, 10+2 sec., Interval (1, 3, 10, 60 min.)
File Format	JPEG (EXIF 2.2), DCF, DPOF, AVI, TIFF (only with 2,816 x 2,112 pixels)
Image Quality	Fine / Standard / Economy / TIFF
Memory	external memory with SD card up to 512 MB.
Language Support	German, Engl., F, I, Sp, Chin. (Traditional), Chin. (Simplified)
Software	Mr. Photo Image Folio
System requirements	Windows 98/98SE/2000/ME/XP; Mac OS 8.6 or later
Connectors	DC-port (5V), USB-1.1-port, Audio/Video-output (NTSC or PAL)
Power	Rechargeable Li-Ion Battery, AC-DC-Adapter(5V)
Dimensions	94 x 35 x 63 mm / 3.7 x 1.38 x 2.48 inch
Weight	approx. 180 g / approx. 6.35 oz
Complete with	Rechargeable Li-Ion Battery, pouch, wrist cord, USB-cable, video-cable, CD-ROM, Manual, SD Card (32 MB)
Order number	60618

The large 2.0" TFT color monitor lets you take a look at the image right away, both during and after the shot, and provides an excellent level of viewing, even in sunlight, thanks to the pin-sharp definition and overall brilliance of the monitor.

The digital USB interface of the MINOX DC 6311 allows easy transfer of the image files to the computer. Using the software provided, pictures can be touched up on the PC and mailed directly to friends and family. Given its small size of just 94 mm x 35 mm x 63 mm, the new MINOX DC 6311 takes a deserved position in the range of compact high performance cameras. Included with the camera are a rechargeable Li-Ion battery, 32 MB SD Card, a case, wrist strap, USB cable, video cable, CD-ROM and user's manual.

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4.0 MEGAPIXELS

MINOX
GERMANY



PRODUCT INFORMATION

MINOX DD200

COMPACT DIGITAL CAMERA WITH STAINLESS STEEL LOOK

The MINOX DD200 is a true companion for every occasion and comes in a distinguished stainless steel look. But this small, flat camera features more than an excellent design. All the sophisticated controls you need are ready at your command.

With a resolution of 4 million pixels and 4x digital zoom, excellent imaging results are guaranteed. Despite ultra compact dimensions of just 94 mm x 56 mm x 26 mm the new MINOX DD200 features a 1.5" TFT colour monitor which allows instant assessment of the image during and after

the shot. A fast picture sequence and minimal release time lag capture spontaneous snap shots in every situation. The integrated flash switches on automatically when needed and guarantees perfect illumination, even in critical light conditions. The optional video recording feature of the new DD200 opens up a completely new area of photography for the user, making it possible to capture those fleeting moments on video as well.

TECHNICAL DATA

Image resolution	4.0 Megapixel (3.2 MP hardware resolution) 2048 x 1536 pixels / 2304 x 1728 (interpolated) / Webcam/Video: 320 x 240 pixels
Image sensor	CMOS
Image memory	high compression: 36 images in a resolution of 2048 x 1536 pixels low compression: 27 images in a resolution of 2048 x 1536 pixels without compression: 17 images in a resolution of 2048 x 1536 pixels interpolated (4.0 MP): 17 images in a resolution of 2304 x 1728 pixels
16 MB internal memory expandable with SD-Card	
Colour	24-bit RGB (8 bit x 3 colours)
Lens	5 element glass lens with integrated infrared filter
Apertures	f/2.8
Focal length	9.6 mm, corresponds to 48 mm with 35 mm format
Focusing range	1.5 m to infinity
Exposure	automatic
Exposure correction (EV)	Stops -1.8 to +1.8 (in stops of 0.3)
Shutter speed	automatic
Digital zoom	4x digital zoom in shooting mode, up to 5x zoom in replay mode
White balance	Auto, Daylight, Cloudy, Lamp, Tungsten, Night
Display	1.5" colour TFT
Flash	integrated
Flash programme	Auto, On, Off
Self timer	10 seconds delay
File format	JPEG, AVI
Memory	internal memory: 16 MB; external memory: SD card up to 128 MB
Language support	English, German, French, Italian, Spanish, Portuguese Chinese (Trad. + Simpl), Japanese
System requirement	Windows 98SE/ME/2000/XP; Mac OS 8.6 or later
Connectors	USB-Port, SD card slot
Power	2 batteries (size AAA/LR03) or rechargeable batteries (only NiMH-types!); via USB
Dimensions	94 x 56 x 26 mm / 3.7 x 2.2 x 1.0 inches
Weight	approx. 100 g / 3.5 oz.
Scope of delivery	ever-ready case, wrist strap, USB-cable, CD-ROM, 2 AAA batteries, brief instructions
Order number	60622

Besides the internal memory, SD cards with up to 128 MB storage capacity can be applied. This offers photographers more flexibility and the opportunity to record a large number of images.

Using the USB cable, which comes with the camera, the pictures can be transferred to a computer with the greatest of ease and at high speed. The photos can then be edited on the PC using any commercially available image processing software and directly sent on to others. The scope of delivery also includes 2 AAA batteries, ever-ready case, wrist strap, CD-ROM and instruction manual.

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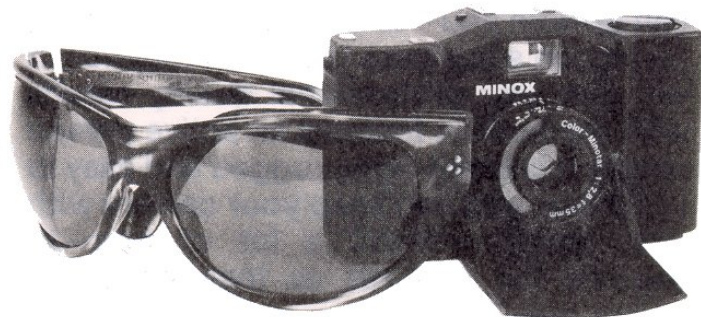
Accessories

Table Tripod which folds to $\frac{3}{8}$ x 8" locking tilt head and special cable release which is concealed in leg.

Eveready Case made of black Morocco leather.



THE ALL NEW MINOX® 35EL



**The world's lightest
35mm camera —**

no bigger than a
pair of sunglasses.

MINOX® USA

*A division of E. Leitz, Inc.
Rockleigh, N.J. 07647*

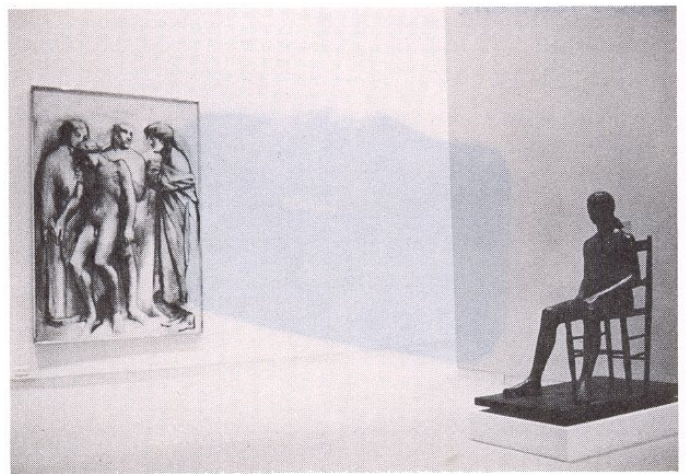
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A Perfect Companion Anywhere...Anytime

How many times have you heard someone say, "Gee, I wish I had a camera", because some of the best picture opportunities come along at the most unexpected times. Wherever the action is, the Minox® 35EL can go with you—to the ski slopes, sailing, hiking, on a business trip, or on vacation. It will give you professional quality results with the built-in features an active person needs. It is small, light, rugged and easy to use. Now, you can keep your camera with you, ready—without a lot of fuss—to capture the pictures as they happen—where they happen.



is essential for good pictures



The all new Minox® 35EL. It's so light and easy to carry—no matter where you are headed—you should not leave home without it.

FEATURES

FINISH Professional black matte finish. Body is made of Makrolon—a fiber reinforced plastic which is flexible, light and scratch resistant.

LENS 35mm Color-Minotar f/2.8 wide angle lens with great depth of field; diagonal field of 64°. Lens retracts into the camera and is protected by the front flap when the camera is not in use. It is made of four glass elements.

SHUTTER Electronically controlled with the user setting the aperture. It is a bladed shutter with controlled speeds from 30 seconds to 1/500 second at ASA 25, or 1 second to 1/500 at ASA 800.

ELECTRIC EYE Automatic shutter control with a meter more sensitive than many through the lens meters found in modern SLR cameras. Metering system is switched on when the flap is opened and the shutter wound.

FRONT FLAP Provides instant and complete protection for the lens and viewfinder window when the camera is not in use.

FLASH Hot shoe for electronic flash. Slipping a flash unit into the hot shoe automatically sets the shutter speed to 1/30 sec. for x-type synch.

FILM Takes any 35mm film from ASA 25-800, black-and-white or color, in standard cartridges.

WEIGHT 6¾ oz. with battery.

DIMENSIONS Length 101mm, height 57.6mm, width 32.4mm. Volume is approximately 180cc.

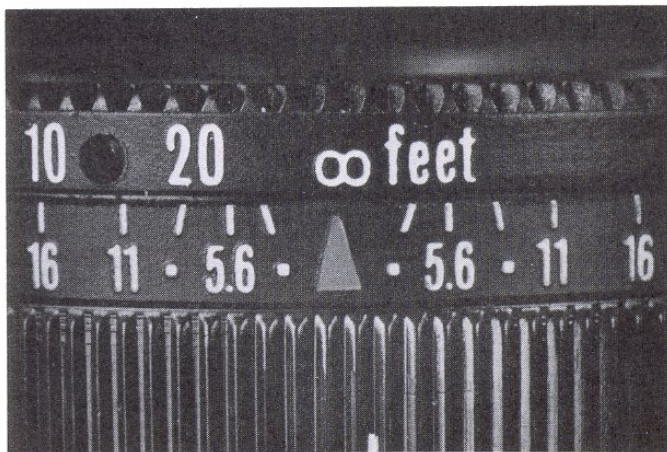
FOCUSING Scale focusing from infinity to 3 feet.

VIEWFINDER Vertical information scale with calibrations for 1/30, 1/125, 1/500 sec. plus hatched areas to indicate speeds too fast for exposure control or too slow for hand held exposures.



LENS QUALITY

The Minox® 35EL has the outstanding 35mm Color Minotar f/2.8 which will give sharp pictures with excellent contrast even in dim light. There is a depth of field scale coupled to the distance scale that tells you at a glance the distance in front of and behind your subject that will be clear and sharp. The lens retracts into the camera when not in use. It focuses from infinity to three feet giving you the versatility you expect from a 35mm camera.



Minox, expert at making things small, also believes in making things well. Quality craftsmanship and precision optics make this camera more than just small. It offers all the advantages afforded by the 24x36mm film size. You can take sharp, professional quality photographs and have your favorite pictures blown up as large as you like. The rugged fiber glass reinforced Makrolon body makes it not only the lightest full-frame 35mm camera on the market, but also scratch resistant and impact resistant. The smooth professional matte black finish and rounded edges are not only pleasing to the eye—but practical. When closed, the front flap provides complete protection for the lens and viewfinder from scratches, dust, and water spray—a definite advantage to someone on-the-go. On a ski slope or on a sail boat there is no reason not to take along the Minox® 35EL.

You don't have to look like a typical tourist

The Minox® 35EL slips into your pocket or handbag so easily you can carry it anywhere and not look like a tourist. It is so small and light it's barely noticeable, and yet it's there when you need it so you can grab those candid shots before anyone even notices you have a camera. The Minox® 35EL is exceptionally quiet and unobtrusive. When you depress the shutter release button, all you hear is a very soft click. Now you can enjoy taking pictures without the inconvenience of carrying around bulky heavy cameras. The Minox® 35EL weighs only 6¾ oz. and fits in your shirt pocket, your purse, your ski jacket, your backpack, in fact—almost anywhere.

Minox® 35EL

As easy to use indoors as out.

A camera with a very "forgiving nature"

The 35mm focal length lens is one professionals have relied on for many years because it has great depth of sharpness and a wide angle of view. This means, simply, that your chances of getting everything you want in the picture and getting it sharp are much greater. For example, when the lens is focused at 15 feet and the lens opening is set at f/11 you get sharpness from infinity down to about 7 feet. With the front flap closed, the shutter is locked so you cannot accidentally press the button and waste a frame of film. By just lowering the flap the meter is activated, and the automatic exposure control takes over to give you correctly exposed pictures—everytime.



MINOX



PRODUCT INFORMATION

MINOX DM1

THE AUDIOVISUAL MULTI-TALENT

MINOX has rewritten the term "multimedia" with the DM1 which combines no less than nine different functions in one tool: a camcorder, a digital camera, MP3 and video player, webcam, dictaphone, flash memory, SD card reader and a LED spot. This compact multifunctional digital tool is housed in a flat and elegant metal body measuring just 17 mm and weighing no more than 94 grams. The highlight is the integrated high-resolution two inch TFT display which turns the DM 1 into a portable video studio.

The name of MINOX is well known as a synonym for the miniaturization of sophisticated technology

harmonizing design and functionality. The DM1 is a multimedia tool that leaves practically no wish unfulfilled when it comes to style and application possibilities. The flat and compact housing with the release button on the side enables convenient and ergonomic one-hand operation. The high quality multi-coated glass lens can be turned through 230 degrees. This allows the user to adjust interesting positions and angles for shooting pictures or film. By turning the lens right through it is even possible to take self portraits and reverse shots and view yourself in the display at the same time. When the lens is not required it can be "parked" inside the body, protecting it against dust and scratches.

Pin sharp digital images rich in detail are provided by the image sensor of the MINOX DM1 with a resolution of 3.2 million pixels – which can be interpolated to 6.0 million pixels in the photo mode. In bad light conditions a high power LED spot, which can also be used as a small torch, provides the right illumination. The digital images can be optionally stored on the integrated 128 MB Flash Memory or on a SD- or MMC-card. The slot for the card simultaneously serves as a reading device – for playing external video data or music in MP3 format, for example. The DM1 can also be used as a USB stick with the provided data cable.

MPEG 4 videos taken with the camcorder can be played anywhere at any time, and can also be copied to external equipment using the provided interface. The integrated high power microphone is used to record sound during filming or for voice recording in the dictaphone mode. The power supply comes from a high-power and compact Li-Ion battery (same design as a Nokia mobile phone battery) which is optionally charged using the power pack or via the USB interface of a computer.

The scope of delivery of the MINOX DM1 includes the Li-Ion battery, the mains adapter, an USB cable, a protective sheath and headphones.

TECHNICAL DATA

Functions	DV Camcorder, Digital Camera, WebCam, Video Player, MP3 Player, Voice Recorder, Card Reader, USB Disc
Image Sensor	6.0 Megapixels CMOS Sensor (3.2 MP hardware resolution)
DSC Resolution (Camera)	2816 x 2112 / 2592 x 1944 / 2304 x 1728 / 2048 x 1536 (Hardware interpolation) 1600 x 1200 / 1280 x 960 / 800 x 600 / 640 x 480
DV Resolution (Video)	640 x 480 (VGA) / max. 10-15 fps 320 x 240 (CIF) / max. 30 fps
Lens	5G Fixed Focus 1:35/8,6 mm (corresponds to 44 mm with 35 mm format); 30-Layers Coating
Focussing Range	F = 8.66 mm / approx. 0.80 m to infinity
Aperture	f/3.5
Zoom (Camera)	4x Digital zoom for still image
Zoom (Video)	Maximum 12x (6x Simulated Optical Zoom, 2x Digital Zoom) in QVGA mode Maximum 6x (3x Simulated Optical Zoom, 2x Digital Zoom) in VGA mode
Rotation Lens	230°
Exposure Compensation	EV -1.8 ~ +1.8 (0.3 EV steps)
White Balance	6 modes for DV and DSC (Auto / Sunny / Cloudy / F-Light / Tungsten / Sun Lamp)
Recording Quality	Digital Camera: JPEG / Fine, Normal, Basic / DV Camcorder: MPEG4 / Best, Fine, Normal, Basic, Economy
Monitor	2.0" LTPS (Low Temperature Poly Silicon) TFT LCD
ISO-Sensitivity	DV: 5 Modes (Normal, Sport, High Speed, Dusk, Night Shot) / DSC: 4 Modes (ISO 100 / 200 / 400)
Self Timer	10 seconds
File Format	DSC: JPEG (EXIF 2.2) / DV: ASF (simple profile MPEG4) / VR: MP3, WAV, WMA
Storage / Card Reader	SD / MMC Card, max. 1 GB (Support File Copy between SD Card or Internal Memory)
Connectors	Mini USB 1.1 Compatible with USB 2.0 / Video Out + Ear Phone Jack / Speaker / Mic
Power Supply	Rechargeable Li-Ion Battery (3.7 V / 780 mAh), 5 V DC Charger (USB port) (5 V / 500 mA) / USB Line
Dimensions (LxWxH)	105 x 64 x 17 (Body) / Lens = 25 mm / 4.13 x 2.52 x 0.67 (Body) / Lens = 0.98 inch
Weight	approx. 94 g / 3.31 oz (without battery)
Accessories included	Rechargeable Lithium-Ion Battery, protective sheath, wrist cord, USB-cable, SD Card (128 MB), manual, CD-ROM, earphones
Order number	61601

MINOX GmbH

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MINOX



PRODUKT-INFORMATION

MINOX DM1

DAS AUDIOVISUELLE MULTIMEDIA-TALENT

Mit dem DM1 hat MINOX den Begriff „Multimedia“ neu geschrieben und nicht weniger als neun verschiedene Funktionen sind in einem Gerät vereint: ein Camcorder, eine Digitalkamera, MP3- und Videoplayer, Webcam, Diktiergerät, Datenspeicher, Speicherkartenleser und ein LED-Spot. Die komplette digitale Vielseitigkeit steckt in einem edlen 17 mm flachen Metallgehäuse und wiegt nur 94 Gramm. Highlight ist das integrierte hoch auflösende Zwei-Zoll TFT-Display, mit dem der DM1 zum portablen Video-Studio wird.

Der Name MINOX ist bekannt als Synonym für die Miniaturisierung von Spitzentechnologie mit Design und Funktionalität. So ist auch das DM1

ein Multimedia-Tool, das sowohl optisch als auch in der Anwendung kaum Wünsche offen lässt. Das flache und kompakte Gehäuse mit dem seitlich angeordneten Auslöseknopf ermöglicht eine bequeme, ergonomische Einhand-Bedienung. Das hochwertige und mehrfach vergütete Glasobjektiv ist um 230 Grad drehbar. Dadurch lassen sich beim Fotografieren oder Filmen interessante Positionen und Blickwinkel realisieren. Mit einem vollen „Dreh“ des Objektivs sind sogar Selbstportraits und rückwärts gerichtete Aufnahmen möglich, während sich der Anwender gleichzeitig im Display betrachten kann. Wird das Objektiv nicht gebraucht, lässt es sich auch innerhalb des Gehäuses „parken“ und so vor Staub und Kratzern schützen.

Für äußerst scharfe und detailreiche digitale Aufnahmen liefert der Bildsensor des MINOX DM1 eine Auflösung von 3,2 Millionen Pixel, die im Foto-Modus bis auf 6 Millionen Pixel interpoliert werden. Bei schlechten Lichtverhältnissen sorgt ein leistungsstarker LED-Spot, der anderweitig auch als kleine Taschenlampe eingesetzt werden kann, für die nötige Ausleuchtung. Gespeichert werden die digitalen Aufnahmen wahlweise im integrierten 128 MB Flash Memory oder auf einer SD- oder MMC-Karte. Der Kartensteckplatz dient auch als Lesegerät und ermöglicht es, externe Video-Daten oder Musik im MP3-Format abzuspielen. Zudem lässt sich das DM1 über das mitgelieferte Datenkabel als USB-Stick verwenden.

TECHNISCHE DATEN

Funktionen	DV Camcorder, Digitalkamera, WebCam, Video-Abspielgerät, MP3 Player, Diktiergerät, Karten-Lesegerät, USB Wechselspeicher
Bildsensor	6,0 Megapixel CMOS Sensor (3,2 MP Hardware-Auflösung)
DSC-Auflösung (Kamera)	2.816 x 2.112 / 2.592 x 1.944 / 2.304 x 1.728 / 2.048 x 1.536 (Hardware-Interpolation) 1.600 x 1.200 / 1.280 x 960 / 800 x 600 / 640 x 480
DV-Auflösung (Video)	640 x 480 (VGA) / max. 10-15 fps 320 x 240 (CIF) / max. 30 fps
Objektiv	5G Fixfokus 1:35/8,6 mm (entspricht 44 mm im Kleinbildformat); 30-fache Vergütung
Fokussierbereich	F = 8,66 mm / ca. 0,80 mm bis unendlich
Blende	f/3,5
Zoom (Kamera)	4-fach Digital-Zoom für Einzelbilder
Zoom (Video)	Maximum 12-fach (6-fach simulierter optischer Zoom, 2-fach digitaler Zoom) im QVGA-Modus Maximum 6-fach (3-fach simulierter optischer Zoom, 2-fach digitaler Zoom) in VGA-Modus
Drehbares Objektiv	230°
Belichtungskorrektur	EV -1,8 ~ +1,8 (0,3 EV steps)
Weißabgleich	6 Modi für DV und DSC (Automatisch / Sonne / Wolken / F-Licht / Kunstlicht / Glühlampe)
Bildqualität (digital)	Digitalkamera: JPEG / Fein, Normal, Basic / DV Camcorder: MPEG4 / Hoch, Fein, Normal, Basic, Economy
Monitor	2,0" LTPS (Low Temperature Poly Silicon) TFT LCD
ISO-Empfindlichkeit	DV: 5 Modi (Normal, Sport, High Speed, Dämmerung, Nachtaufnahme) / DSC: 4 Modi (ISO 100 / 200 / 400)
Selbstausslöser	10 Sekunden
Datei-Formate	DSC: JPEG (EXIF 2.2) / DV: ASF (simple profile MPEG4) / VR: MP3, WAV, WMA
Speicher / Kartenleser	SD / MMC Karten, max.1 GB (unterstützt Datenkopie zwischen internem Speicher und Speicherkarten)
Anschlüsse	Mini USB 1.1 (USB 2.0 kompatibel) / Video Ausgang / Ohrhörer o. Lautsprecher / Mikrofon
Stromversorgung	Lithium-Ionen Akku (3,7 V / 780 mA) mit 5 V DC Ladegerät / über USB port (5 V / 500 mA)
Abmessungen (HxBxT)	105 x 64 x 17 (Gehäuse) / Objektiv = 25 mm
Gewicht	ca. 94 g (ohne Batterie/Akku)
Lieferumfang	Lithium-Ionen Akku, Schutzhülle, Handtrageriemen, USB-Kabel, SD-Karte (128 MB), Bedienungsanleitung, CD-ROM, Ohrhörer
Bestell-Nr.	61601

Per Camcorder erstellte MPEG 4-Videos lassen sich jederzeit und überall wiedergeben, aber auch mittels vorhandener Schnittstelle auf externe Geräte übertragen. Das eingebaute Hochleistungs-Mikrofon sorgt für die Tonaufzeichnung beim Filmen oder die Sprachaufzeichnung im Diktiergeräte-Modus. Als Stromquelle dient ein leistungsstarker und kompakter Li-Ionen-Akku (baugleich mit einem Nokia Handy-Akku), der wahlweise per Netzgerät oder über die USB-Schnittstelle des Computers geladen werden kann.

Zum Lieferumfang des MINOX DM1 gehören ein Li-Ionen-Akku, ein Netzadapter, ein USB-Kabel, eine Schutzhülle und die Ohrhörer.

MINOX GmbH

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Accessories

Table Tripod which folds to $\frac{3}{8}$ x 8" locking tilt head and special cable release which is concealed in leg.

Eveready Case made of black Morocco leather.



MINOX®USA

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Rockleigh, N.J. 07647*

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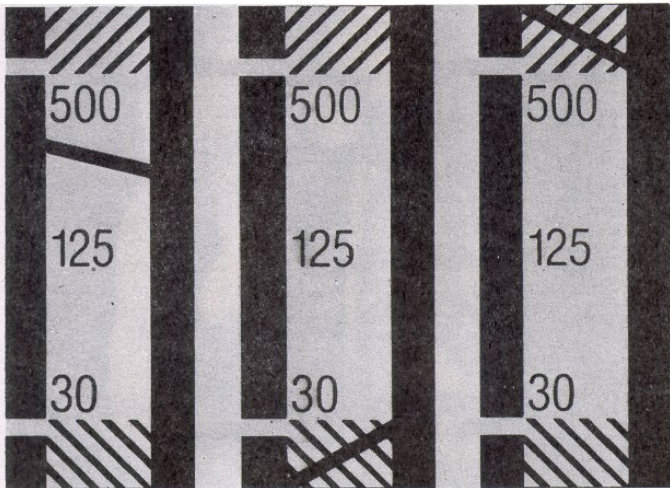
The Amazing **MINOX® 35EL**



The world's lightest 35mm camera —

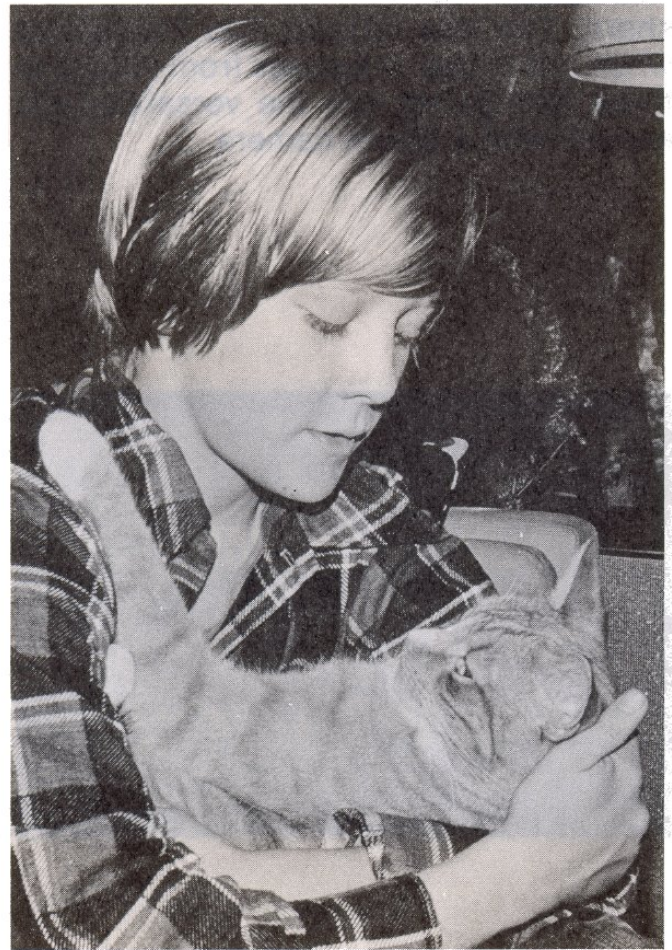
no bigger than a
pair of sunglasses.

Minox® 35EL



With automatic exposure control and wide angle 35mm lens this camera is almost fool-proof. You set the aperture, and the camera sets the appropriate shutter speed. The viewfinder has a vertical scale on the right hand side that tells you what shutter speed will be automatically set. A hatched area is located above 1/500 second. If the meter needle appears in this area, it means the lens opening should be adjusted to bring the meter needle back down into the 1/30—1/500 range. A similar hatched area is located below the 1/30 second indication to let you know if the shutter speed will be too slow for sharp hand-held exposures.

This camera is as easy to use indoors as out—with any of the popular computer electronic flash units. There is a hot shoe contact on the top of the camera so no cord is necessary. As the flash is slipped into the hot shoe, contact is made, and the shutter speed is set automatically to 1/30 sec. Using an automatic flash unit just set the lens opening once to the value recommended by the flash manufacturer, and the lighting will be correct for any subject—to—camera distance. With the conventional flash unit the lens opening is simply varied according to the chart supplied on the back of the flash. It is an easy fool-proof system to give you correctly exposed photographs—anytime.



A Perfect Companion Anywhere...Anytime

How many times have you heard someone say, "Gee, I wish I had a camera", because some of the best picture opportunities come along at the most unexpected times. Wherever the action is, the Minox® 35EL can go with you—to the ski slopes, sailing, hiking, on a business trip, or on vacation. It will give you professional quality results with the built-in features an active person needs. It is small, light, rugged and easy to use. Now, you can keep your camera with you, ready—without a lot of fuss—to capture the pictures as they happen—where they happen.

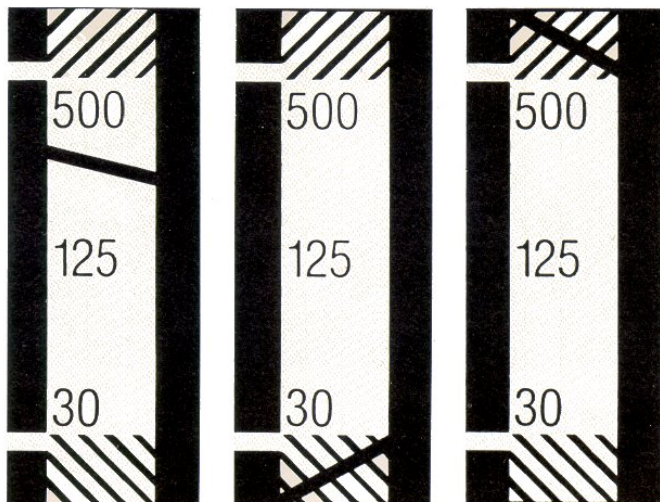


is essential for good pictures



The all new Minox® 35EL. It's so light and easy to carry—no matter where you are headed—you should not leave home without it.

Minox® 35EL



With automatic exposure control and wide angle 35mm lens this camera is almost fool-proof. You set the aperture, and the camera sets the appropriate shutter speed. The viewfinder has a vertical scale on the right hand side that tells you what shutter speed will be automatically set. A hatched area is located above 1/500 second. If the meter needle appears in this area, it means the lens opening should be adjusted to bring the meter needle back down into the 1/30—1/500 range. A similar hatched area is located below the 1/30 second indication to let you know if the shutter speed will be too slow for sharp hand-held exposures.

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You don't have to look like a typical tourist

The Minox® 35EL slips into your pocket or handbag so easily you can carry it anywhere and not look like a tourist. It is so small and light it's barely noticeable, and yet it's there when you need it so you can grab those candid shots before anyone even notices you have a camera. The Minox® 35EL is exceptionally quiet and unobtrusive. When you depress the shutter release button, all you hear is a very soft click. Now you can enjoy taking pictures without the inconvenience of carrying around bulky heavy cameras. The Minox® 35EL weighs only 6¾ oz. and fits in your shirt pocket, your purse, your ski jacket, your backpack, in fact—almost anywhere.

Minox® 35EL

As easy to use indoors as out.

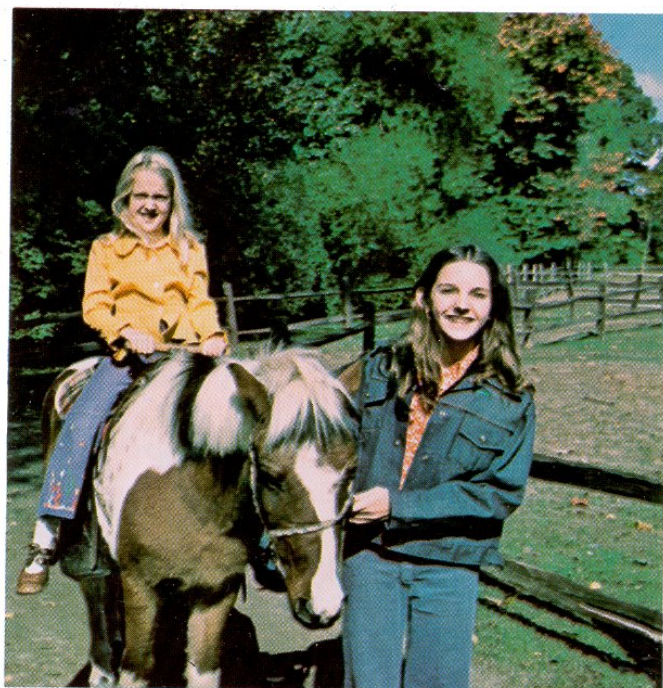
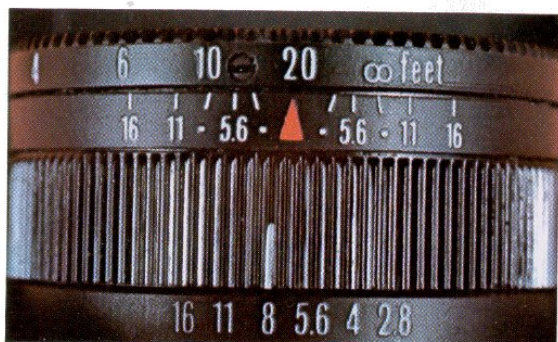
A camera with a very "forgiving nature"

The 35mm focal length lens is one professionals have relied on for many years because it has great depth of sharpness and a wide angle of view. This means, simply, that your chances of getting everything you want in the picture and getting it sharp are much greater. For example, when the lens is focused at 15 feet and the lens opening is set at f/11 you get sharpness from infinity down to about 7 feet. With the front flap closed, the shutter is locked so you cannot accidentally press the button and waste a frame of film. By just lowering the flap the meter is activated, and the automatic exposure control takes over to give you correctly exposed pictures—everytime.



LENS QUALITY

The Minox® 35EL has the outstanding 35mm Color Minotar f/2.8 which will give sharp pictures with excellent contrast even in dim light. There is a depth of field scale coupled to the distance scale that tells you at a glance the distance in front of and behind your subject that will be clear and sharp. The lens retracts into the camera when not in use. It focuses from infinity to three feet giving you the versatility you expect from a 35mm camera.



Minox, expert at making things small, also believes in making things well. Quality craftsmanship and precision optics make this camera more than just small. It offers all the advantages afforded by the 24x36mm film size. You can take sharp, professional quality photographs and have your favorite pictures blown up as large as you like. The rugged fiber glass reinforced Makrolon body makes it not only the lightest full-frame 35mm camera on the market, but also scratch resistant and impact resistant. The smooth professional matte black finish and rounded edges are not only pleasing to the eye—but practical. When closed, the front flap provides complete protection for the lens and viewfinder from scratches, dust, and water spray—a definite advantage to someone on-the-go. On a ski slope or on a sail boat there is no reason not to take along the Minox® 35EL.

**ABOUT THE MINOX 35 GT.
THE WORLD'S SMALLEST FULL-FRAME
35mm CAMERA.**



**„KÖNNEN SIE MIR BITTE
SAGEN, WER DIE KLEINSTEN
24x36 KLEINBILDCAMERAS
DER WELT BAUT?“**

„JA, DIE MINOX GMBH!“

FEATURES

FINISH Professional black matte finish. Body is made of Makrolon—a fiber reinforced plastic which is flexible, light and scratch resistant.

LENS 35mm Color-Minotar f/2.8 wide angle lens with great depth of field; diagonal field of 64°. Lens retracts into the camera and is protected by the front flap when the camera is not in use. It is made of four glass elements.

SHUTTER Electronically controlled with the user setting the aperture. It is a bladed shutter with controlled speeds from 30 seconds to 1/500 second at ASA 25, or 1 second to 1/500 at ASA 800.

ELECTRIC EYE Automatic shutter control with a meter more sensitive than many through the lens meters found in modern SLR cameras. Metering system is switched on when the flap is opened and the shutter wound.

FRONT FLAP Provides instant and complete protection for the lens and viewfinder window when the camera is not in use.

FLASH Hot shoe for electronic flash. Slipping a flash unit into the hot shoe automatically sets the shutter speed to 1/30 sec. for x-type synch.

FILM Takes any 35mm film from ASA 25-800, black-and-white or color, in standard cartridges.

WEIGHT 6¾ oz. with battery.

DIMENSIONS Length 101mm, height 57.6mm, width 32.4mm. Volume is approximately 180cc.

FOCUSING Scale focusing from infinity to 3 feet.

VIEWFINDER Vertical information scale with calibrations for 1/30, 1/125, 1/500 sec. plus hatched areas to indicate speeds too fast for exposure control or too slow for hand held exposures.



**„UND GIBT ES VON DIESER
WUNDERBAREN KLEINEN, FEI-
NEN CAMERA VERSCHIEDENE
AUSFÜHRUNGEN?“**

„JA, DREI MINOX 35!“

When the Minox 35 GT was born it had good reason for a warm welcome. For its predecessors – the 35 GL and 35 EL – had made quite a photographic mark as a smallest 24 x 36 mm full-frame miniature. Like them, the 35 GT takes up only 178 cm³ and weighs a mere 190 g or 6.7 oz. And being just 3 cm or under 1¼ inches thin, it can hide in any shirt pocket or similar spot. There it is instantly at hand when you come across that once-in-a-lifetime shot.

This 24 x 36 mm 35 GT with aperture-priority shutter automation and speed display in the finder (including overexposure and slow-speed warnings) is a perfect constant companion and second camera to the fastidious amateur's 35 mm SLR outfit. But is equally ideal for the beginner who – helped by the electronic exposure control – wants to make his growing experience count by greater control of depth of field and exposure time.

The moment you open the front cover, the Minox 35 GT is ready to shoot: The finder and lens are

uncovered, the electronics system switched on, the release free, and the CdS meter shows the automatic shutter speed you have to expect, on the scale alongside the handy bright-line finder. You only have to press the button – and that is so soft and vibration-free that you may even get away with an occasional hand-held shot at 1/5 second.

The computer-precise automatic exposure control takes note of subject brightness, film speed and the preselected aperture from f/2.8 to f/16 to set the time anywhere between 1/500 second and half a minute. For shots against the light and for views with specially bright large backgrounds, a backlight switch instantly doubles the automatically set exposure. That is ideal for subjects in snow or scenes with large sky areas.

The Minox GT 35's four-element 35 mm f/2.8 lens – which Minox insists on making itself – fully lives up to its "Color-Minotar" tag. The comparatively short focal length yields amazing depth of field which gives you useful margin for focusing

errors. And you easily see and set the depth of field on the depth scale.

Compared with the immediately preceding 35 GL, you will note a few detail improvements and an interesting new feature on the 35 GT: The built-in electronic selftimer. Here is how it works: You press the button, watch the LED blinking, wait while it counts to ten, smile as the camera exposes – and you are fully in the picture.

Technical data

Film: Standard 35 mm cartridge (No. 135). *Lens:* 35 mm Minox Color-Minotar f/2.8. Focusing range 0.9 m (3 ft) to infinity. Depth of field scale. *Automatic exposure control:* Aperture priority (f/2.8 continuous to f/16) with automatic shutter speed control. *Shutter:* Electronically controlled automatic shutter, 1/500 second to about 30 seconds at 25 ASA or to about 1 second at 800 ASA. With flash unit in place: Time fixed at about 1/125 second. *Shutter speed display in finder:* Meter needle and scale from 1/500 to 1/30 second. Slow-speed warning (times longer than 1/30 second), overexposure warning (real time shorter than 1/500 second). *Backlight switch:* Doubles all times set by automatic control in daylight. *Release:* Soft release, blocked if front cover is not fully open. *Selftimer:* Electronic, approx. 10 seconds delay. Red flashing LED during delay time; flashing frequency increases in three steps. *Frame counter:* Counts forward, returns to start position on removing camera back if shutter was released. *Flash contact:* Hot shoe, X-synchronised, automatically switches time to 1/125 second. *Battery:* 1 battery, e.g. Varta V27 PX, Ucar EPX 27 or Duracell PX 27. *Battery check:* Check button, indication by meter needle in finder (swings to 125). *Camera body:* Glass fibre reinforced Makrolon. *Size:* (Width x height x depth): 10 x 6.1 x 3.1 cm or 3.94 x 2.4 x 1.2 inches. *Weight:* Approx. 190 g (6.7 oz) without film. *Manufacturer:* Minox GmbH, Postf. 6020, 6300 Giessen 1, West Germany.

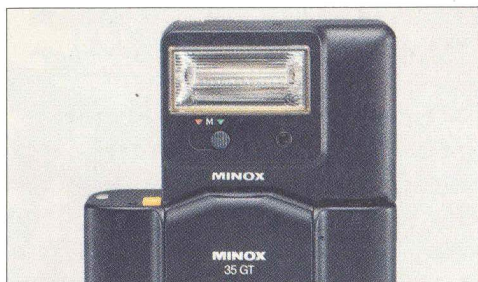
100 mm



Seit die Minox GmbH 24 x 36 Kleinbildcameras baut, baut sie die kleinsten der Welt. So klein und so flach (3 cm!), daß man sie in jeder Hemd-, Hand- und Hosentasche verschwinden lassen kann, d.h., immer dabei hat, wenn sich ein tolles Motiv anbietet. – Ein Geheimnis dieser minimalen Dimensionen ist die Frontklappe, die – wenn geschlossen – zusätzlich das Objektiv schützt, die Elektronik abschaltet und den Auslöser sperrt.



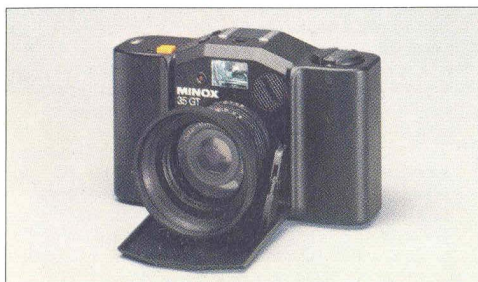
61 mm



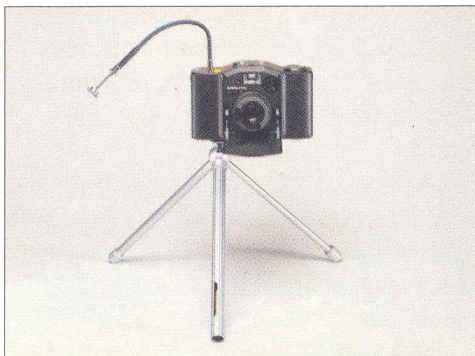
In design and operation the FC 35 computer flash is specially matched to the Minox 35. Guide number with 100 ASA is 18 (m) or 60 (ft).



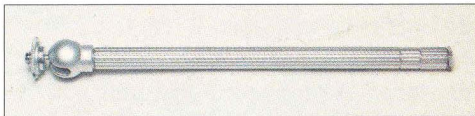
The Skylight filter, combined with collapsible lens hood, reduces blue cast from brilliant blue skies. It also holds back ultraviolet rays that could impair definition.



The neutral-density filter, also with collapsible lens hood, quadruples the exposure time for extreme lighting levels and ultra-speed film at the same time.



The rigid miniature pocket tripod is a table tripod (as shown) but can also support the camera against a wall or your chest. When collapsed -



- the pocket tripod is hardly larger than a pencil. It is complete with a tilt head (left, in illustration) and cable release (stowed invisibly inside).



The combined belt and wrist case in soft burgundy Naskapi leather is exactly tailored to the Minox 35 GT. You can attach it to your belt or hang it from your wrist.



The soft black leather ever-ready case with removable top takes the wrist strap supplied with the camera or the 96 cm (38 inch) accessory neck strap.

MINOX

MINOX GmbH, Postf. 6020, D-6300 Giessen 1 West Germany

156 e Printed in Germany · Subject to alterations VI/81

**„IST EINE DABEI, BEI DER MAN
SCHÄRFENTIEFE UND
BELICHTUNGSZEIT SELBST
BEEINFLUSSEN KANN?“**

„JA, DIE MINOX 35 GT!“

DIE MINOX 35: GT, PL UND PE!



Foto-Harder GmbH
Hauptgeschäft
Großer Plan 22 · 3100 Celle



MINOX
Minox GmbH, Postfach 6020, 6300 Gießen 1



**„UND EINE, BEI DER MAN SICH
WEDER UM BLENDE
NOCH UM BELICHTUNGSZEIT
ZU KÜMMERN BRAUCHT?“**

„JA, DIE MINOX 35 PL!“



Die Minox 35 GT ist eine 24 x 36 Kleinbildcamera (und zwar die kleinste der Welt) mit elektronischer Zeitautomatik, Blendenvorwahl und Zeit-anzeige im Sucher. Geeignet für anspruchsvolle Fotoamateure, die trotz Belichtungsautomatik auf die Blende, den Schärfentieftiefenbereich und indirekt auch auf die Belichtungszeit Einfluß nehmen wollen. Der Entfernungsbereich der scharfen Abbildung kann bei der 35 GT neben dem Schärfentieftiefenring abgelesen werden. Die Belichtungszeit wird im Sucher angezeigt. Zum Blitzen kann jedes beliebige Blitzgerät mit Mittenkontakt auf die Minox 35 GT aufgesetzt werden. Speziell auf das Gehäuse und die Technik der Camera abgestimmt sind das kleine Blitzgerät Minox FC 35 (Leitzahl 18 bei 21 DIN/ASA 100) und das Serienthyristor-Gerät Minox TC 35 (Leitzahl 26 bei 21 DIN/ASA 100).





Alle drei Modelle weisen technische Besonderheiten auf, die man ihnen – angesichts ihrer Größe – kaum zutraut: angefangen beim vierlinsigen Objektiv Color-Minotar 2,8/35 mm (made by Minox in Germany), über die Belichtungsautomatik, über den Gegenlichtschalter zur Verdoppelung der Belichtungszeit bei Gegenlichtaufnahmen bis hin zum elektronischen Selbstauslöser. Mehr darüber im Technik-Kapitel!



Die Minox 35 PL ist eine 24 x 36 Kleinbildcamera (ebenefalls die kleinste der Welt) mit Programmautomatik, auch Vollautomatik genannt. Geeignet für Fotofreunde, die möglichst schnell und unkompliziert gute Bilder machen wollen. Ihre Programmautomatik belichtet jede Aufnahme richtig, so daß man sich weder um Blende noch um die Belichtungszeit zu kümmern braucht. Bei Belichtungszeiten, die länger sind als 1/30 Sekunde, warnen ein rotes Licht im Sucher und eines auf der Camera vor Verwacklungsgefahr. Auch auf die 35 PL können Sie jedes beliebige Blitzgerät mit Mittenkontakt aufsetzen. Und auch für diese Camera empfehlen wir Ihnen besonders das kleine Blitzgerät Minox FC 35 (Leitzahl 18 bei 21 DIN/ASA 100) und das Serienthyristor-Gerät Minox TC 35 (Leitzahl 26 bei 21 DIN/ASA 100).

**„UND AUCH EINE, BEI DER MAN
NICHT EINMAL MEHR
EINEN ELEKTRONENBLITZ
OBENDRAUF SETZEN MUSS?“**

„JA, DIE MINOX 35 PE!“

**„GIBT ES SONST NOCH ETWAS
WISSENSWERTES ÜBER DIE
DREI MINOX 35-MODELLE ZU
ERFAHREN?“**

**„JA, DIE MINOX-TECHNIK UND
DAS MINOX-ZUBEHÖR!“**



Die Minox 35 PE ist ebenfalls eine 24 x 36 Kleinbildcamera mit Programmautomatik, entspricht also in der Handhabung im wesentlichen der 35 PL. Zusätzlich hat sie aber noch ein ausfahrbares Computerblitzgerät eingebaut, mit dem man in Innenräumen bis etwa 3,50 Meter Entfernung Blitzaufnahmen machen kann. Ein gelbes Licht im Sucher und eines auf der Camera zeigen die Blitzbereitschaft an. Die 35 PE ist als einzige Minox 35 etwas länger geraten, aber wie die anderen 3 cm flach.
(Die Abbildung zeigt die 35 PE mit ausgefahrenem Blitzgerät.)

TECHNISCHE ANGABEN	MINOX 35 GT	MINOX 35 PL	MINOX 35 PE
FILM:	Kleinbildfilm 24 x 36 mm	Kleinbildfilm 24 x 36 mm	Kleinbildfilm 24 x 36 mm
OBJEKTIV:	Minox Color-Minotar 2,8/35 mm (Vierlinser), versenkbar	Minox Color-Minotar 2,8/35 mm (Vierlinser), versenkbar	Minox Color-Minotar 2,8/35 mm (Vierlinser), versenkbar
EINSTELLBEREICH:	90 cm bis Unendlich	90 cm bis Unendlich	90 cm bis Unendlich
BELICHTUNGSAUTOMATIK:	Blendenvorwahl (stufenlos von 2,8 bis 16) und elektronische Zeitautomatik 1/500 s bis ca. 30 s bei 15 DIN/ASA 25 bzw. 1 s bei 30 DIN/ASA 800	Elektronische Programmautomatik bei Einstellung des Blendenrings auf A. Blende 16/ 1/500 s bis Blende 2,8/4 s bei 21 DIN/ASA 100	Elektronische Programmautomatik bei Einstellung des Blendenrings auf A. Blende 16/ 1/500 s bis Blende 2,8/4 s bei 21 DIN/ASA 100
SUCHERANZEIGEN:	Verschlußzeitanzeige auf Skala 1/500 bis 1/30 s, Langzeitwarnung, Überbelichtungswarnung	Langzeitwarnlicht (rot)	Langzeitwarnlicht (rot), Blitzbereitschaftsanzeige (gelb)
GEGENLICHTSCHALTER:	Verdoppelung der Belichtung	Verdoppelung der Belichtung	Verdoppelung der Belichtung
BLITZANSCHLUSS:	Mittenkontakt-Blitzschuh für Minox FC 35 (Leitzahl 18), Minox TC 35 (Leitzahl 26) oder andere Blitzgeräte	Mittenkontakt-Blitzschuh für Minox FC 35 (Leitzahl 18), Minox 35 TC (Leitzahl 26) oder andere Blitzgeräte	Kein Blitzanschluß für Fremdblitzgeräte; Computerblitzgerät (Leitzahl 14) eingebaut
BLITZVERSCHLUSSZEIT:	1/125 s, Umschaltung automatisch beim Aufsetzen eines Blitzgerätes	1/90 s, Umschaltung automatisch beim Aufsetzen eines Blitzgerätes	1/90 s, Umschaltung automatisch beim Aufleuchten der Blitzbereitschaftsanzeige
SELBSTAUSLÖSER:	elektronisch, Vorlaufzeit 10 s, LED-Anzeige	elektronisch, Vorlaufzeit 12 s, LED-Anzeige	elektronisch, Vorlaufzeit 12 s, LED-Anzeige
BATTERIE:	1 Varta V 27 PX, Ucar EPX 27, Duracell PX 27 o.ä.	1 Varta V 27 PX, Ucar EPX 27, Duracell PX 27 o.ä.	1 Varta V 27 PX, Ucar EPX 27, Duracell PX 27 o.ä. als Hauptbatterie, 1 Mignonzelle AA Alkali-Mangan 1,5 V als Blitzbatterie
BATTERIETEST:	Testknopf, Anzeige durch Zeiger im Sucher	Testknopf, LED-Anzeige auf Camera-Oberseite	Testknopf, LED-Anzeige auf Camera-Oberseite
CAMERAGEHÄUSE:	glasfaserverstärktes Makrolon, mattschwarz	glasfaserverstärktes Makrolon, mattschwarz	glasfaserverstärktes Makrolon, mattschwarz
MASSE (b x h x t):	10 cm x 6,1 cm x 3,1 cm	10 cm x 6,1 cm x 3,1 cm	13,7 cm x 6,1 cm x 3,1 cm
GEWICHT:	ca. 190 g (mit Batterie ca. 200 g)	ca. 190 g (mit Batterie ca. 200 g)	ca. 210 g (mit Batterien ca. 234 g)

HERSTELLER: MINOX GmbH, 6300 Giessen 1, Bundesrepublik Deutschland

DAS OBJEKTIV.

Das Objektiv der Minox 35 ist das bewährte vierlinsige Color-Minotar 2,8/35 mm Objektiv, das von Minox persönlich hergestellt wird. Seine relativ kurze Brennweite führt zu einer ungewöhnlich großen Schärfentiefe, so daß man es beim Einstellen der Entfernung zum Hauptobjektiv gar nicht so arg genau nehmen muß. – Beim Modell 35 GT zeigt der Schärfentiefenring an der Entfernungsskala genau an, wie weit sich der jeweilige Schärfentiefenbereich bei der vorgewählten Blende erstreckt.

DIE BELICHTUNGSAUTOMATIK.

Der elektronisch gesteuerte Verschuß der drei Minox 35-Modelle belichtet automatisch richtig. Und zwar von 1/500 Sekunde bis ca. 30 Sekunden (bei 15 DIN/ASA 25), je nachdem, wie hell das Motiv ist, mit welcher Filmempfindlichkeit man fotografiert und – bei der 35 GT – welche Blende man vorgewählt hat. Die 35 PL und 35 PE bilden zusätzlich auch die Blende automatisch.

DER GEGENLICHTSCHALTER.

Der Gegenlichtschalter ermöglicht das sekundenschnelle Umschalten auf doppelte Belichtung. Das empfiehlt sich immer dann, wenn ein größerer Teil des Bildes wesentlich heller ist als das, was man eigentlich als Motiv

im Auge hatte. Also zum Beispiel bei Aufnahmen mit Gegenlicht oder mitten im Schnee.

DER SELBSTAUSLÖSER.

Der Selbstauslöser wird durch einen Schalter oben auf der Camera in Betrieb gesetzt. Er arbeitet übrigens elektronisch.

DIE FILMEMPFINDLICHKEITSSKALA.

Die Filmeempfindlichkeits-Skala der Minox 35 ist für jeden Kleinbildfilm exakt einstellbar: von 15 DIN/ASA 25 bis 27 DIN/ASA 400 – bei der 35 GT sogar bis 30 DIN/ASA 800. Überhaupt paßt in jedes der drei Modelle jeder handelsübliche 24 x 36 Kleinbildfilm: für Farbdias, für farbige Papiervergrößerungen, für Schwarzweiß, für 12, 20, 24 oder 36 Aufnahmen. Ganz nach Wunsch.

Soviel über die Technik der drei Minox 35-Cameras. Weiter geht es mit dem sehr nützlichen Minox-Zubehör.

DIE COMPUTERBLITZGERÄTE.

Für die Modelle 35 GT und 35 PL (passend auch für die älteren Modelle 35 EL und 35 GL) bietet Minox zwei Computerblitzgeräte an, die mit der Cameraform eine Einheit bilden und auch technisch auf die Minox 35 abgestimmt sind: Das

kleine Minox FC 35 ist ein Zweiblendencomputer mit der Leitzahl 18 (bei 21 DIN/ASA 100), das Serienthyristor-Gerät TC 35 ein Dreiblendencomputer mit der Leitzahl 26. Zwei- bzw. Dreiblendencomputer heißt, daß man zwischen zwei bzw. drei Blenden wählen kann, also auch beim Blitzen mit der Schärfentiefe spielen darf. Das lichtstärkere TC 35 ist überdies mit einem Schwenkreflektor für indirektes Blitzen ausgestattet, mit automatischer Blenden- und Blitzbereichsanzeige, mit elektronischer Batteriekontrolle, mit Batteriesparschaltung und mit Lichtkontrolle. – Natürlich können Sie auf die 35 GT und die 35 PL auch jedes andere Blitzgerät mit Mittenkontakt aufstecken.

DIE BEREITSCHAFTSTASCHEN.

Die Bereitschaftstaschen, die Minox für alle drei 35-Modelle anbietet, sind aus weichem, schwarzen Leder und haben links und rechts eine kleine Öse. Daran kann man sowohl die mitgelieferte Handgelenkschlaufe oder den als Zubehör erhältlichen Halstrageriemen befestigen.

DIE GÜRTEL- UND HANDGELENKTASCHE.

Die elegante Gürtel- und Handgelenktasche für die 35 GT und 35 PL (sowie für die früheren

Modelle 35 EL und 35 GL) ist aus burgunderrotem Naskapi-soft-Leder und läßt sich bequem am Gürtel oder am Handgelenk tragen.

DAS SKYLIGHTFILTER.

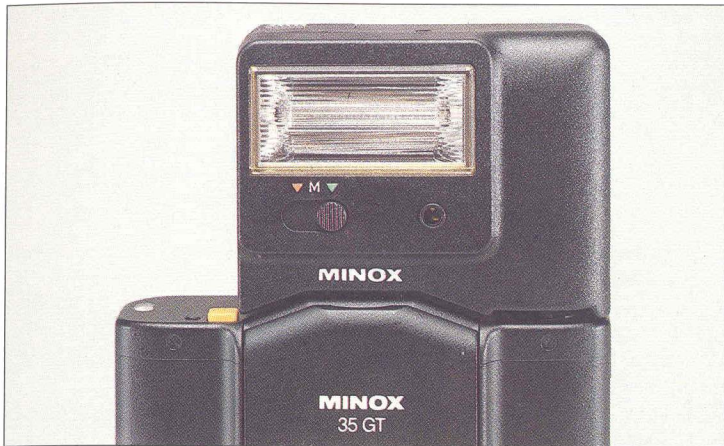
Das Skylightfilter (kombiniert mit einer faltbaren Sonnenblende) dämpft bei strahlend blauem Himmel den Blaustich, der beispielsweise in Gesichtern etc. festzustellen ist. Darüber hinaus wirkt es als UV-Sperrfilter, das Unschärfen bei extrem hohem UV-Anteil des Tageslichts verhindert.

DAS GRAUFILTER.

Das Graufilter nimmt dem Objektiv so viel Licht weg, daß auch bei strahlendem Wetter noch mit einem höchstempfindlichen Film fotografiert werden kann.

DAS TASCHENSTATIV.

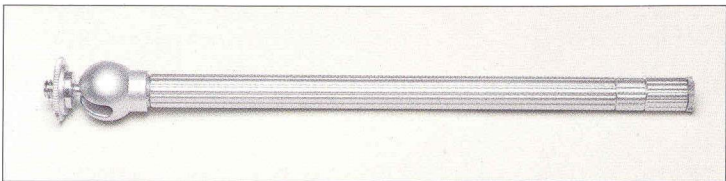
Wie jede ernst zu nehmende Camera hat auch die Minox 35 an ihrer Unterseite ein Stativgewinde, so daß man sie auf jedes Stativ aufschrauben kann. Zum Beispiel auf das Minox-Taschenstativ, ein stabiles Kleinstativ mit eingebautem Drahtauslöser, das zusammengesteckt nicht viel größer als ein Bleistift ist. Es steht auf jeder Unterlage und ist für Querformat-Aufnahmen auch als Bruststativ zu verwenden.



Das Computerblitzgerät Minox FC 35.



Das Serienthyristor-Blitzgerät Minox TC 35.



Das Taschenstativ.



Die Bereitschaftstaschen.



Das Skylightfilter.



Die Gürtel- und Handgelenktasche.

THE MINOX 35 EL IS THE SMALLEST FULL FRAME 35 mm CAMERA OF THEM ALL. AND IT HAS AUTOMATIC EXPOSURE CONTROL.

Minox GmbH is the well-known manufacturer of small superb cameras. The camera we are introducing to you here is a genuine Minox product. (Made in Giessen, Germany by Minox GmbH). The Minox 35 EL has a volume of about you 178 cc and weights less than 7 oz. (190 g). It is so compact that it can be rightly called a pocket camera. To give you an idea of the size of this new camera, we ask that you look at the front of this brochure. The photograph shows the actual size of the Minox 35 EL.

THE MINOX 35 EL IS THE WORLD'S SMALLEST FULL-FRAME 35 mm CAMERA, and it permits you to use all conventional 35 mm films (see Fig. 1); films from ASA 25-800, films for color slides, for color prints, for black-and-white, with 12 exposures, 20 or 36. As you wish.

THE SMALL SIZE OF THE MINOX 35 EL IS A MEANS TO AN END.

The end is to provide anybody with a camera that is so easy to carry that there is no excuse for it being left at home. Even the most discriminating photographer needs a camera that can be an inseparable

companion—in addition to his large 35 mm equipment—and in the most popular film size—35 mm. But “anybody” can also be a novice who has never held a camera in his hands before. The Minox 35 EL offers to all the advantages of a small, light-weight pocket camera in the proven 35 mm format. And convenient automatic exposure control provides the possibility of varying the shutter speed or controlling depth-of-field as the user's photographic experience increases.



Fig. 2. Minox 35 EL, ready for action

WITH THE FRONT FLAP OF THE MINOX 35 EL OPEN ALL SYSTEMS ARE “GO”. The Minox 35 EL illustrated on the front page of this brochure is only 1 1/4" thick (3 cm). When closed, the front flap protects the recessed lens against dust, fingermarks, and spray; and all the electronics are switched off; the shutter is locked. But, as soon as you open the front flap and wind the camera, the Minox 35 EL comes to life. The lens is extended, the viewfinder exposed, and the shutter speed indicator in the

viewfinder is switched on. You are ready to take photographs. (See Fig. 2)

THE FOUR-ELEMENT 35 mm COLORMINOTAR f/2.8 LENS HAS SPECIFIC ADVANTAGES.

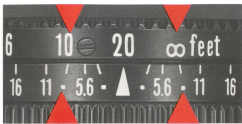


Fig. 3. Focusing scale and depth of field ring. For instance at f/8 from 10 ft. (3m) to infinity.

The lens of the Minox 35 EL, manufactured in Germany by Minox, has a relatively short focal length of 35 mm. The very convenient result; unusual depth-of-field, which make it unnecessary to focus on your principle subject exactly to the nearest inch. The extent of the depth-of-field is indicated on the depth-of-field ring on the distance scale.

THE AUTOMATIC EXPOSURE CONTROL OF THE MINOX 35 EL DOES NOT SLOW YOU DOWN.



Fig. 4. Aperture preselection

The electronic shutter of the Minox 35 EL automatically exposes accurately from 1/500 to about 30 sec. at ASA 25 setting. The exposure will vary depending on the brightness of the subject, the speed of the film you are using, and the aperture you have set. This is the most modern type of automatic exposure control; it will not slow you down in any way.

1. YOU CAN PRESELECT YOUR APERTURE.
2. YOU CAN INDIRECTLY PRESELECT YOUR SHUTTER SPEED.
3. YOU CAN CHOOSE THE CAREFREE METHOD.

1. You can freely choose any aperture from f/2.8 to f/16 so that you can establish the depth-of-field most suitable for your subject. You will see the corresponding shutter speed in the viewfinder. The same

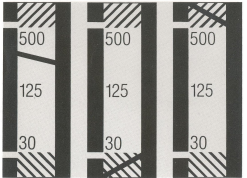


Fig. 5. Left: The shutter speed will be about 1/200 sec. Center: Slow speed warning (pointer in the hatched field below 1/50 sec.) Right: Over exposure warning (pointer in the hatched field above 1/500 sec.)

pointer also warns you of the danger of camera shake (the preselected aperture is too small) and of over-exposure (the preselected aperture is too large).

2. If you think it is more important to preselect the shutter speed instead of the aperture, observe the shutter speed indicator in the viewfinder and at the same time rotate the diaphragm ring until the shutter speed you desire appears in the viewfinder. This method is essential with fast-moving objects.

3. If you want to use the simplest or “care-free” method, set a medium aperture, for instance f/5.6. In normal daylight you can now leave the exposure up to the electronic automation of your Minox 35 EL. If lighting conditions change to the extent of indicating a different aperture is necessary, the pointer in the viewfinder will warn you accordingly. This method is not only fast but convenient. The shutter speed readout in the viewfinder is a valuable feature even though it requires an additional CdS exposure meter.

FOR THE MORE SOPHISTICATED.

If your photographic experience tells you that with certain subjects—for instance with back-lighted pictures or snow scenes—the automatic exposure control of the Minox 35 EL requires override, you can fool it. Simply set the ASA setting to half the original ASA value (half the film speed normally required). (See Fig. 6)

The automatic exposure control will then

permit twice the amount of light to reach the film.

IF THE INFORMATION IN THE VIEWFINDER SATISFIES YOU—PRESS THE BUTTON.

We suggest that you give the above facts some thought. With a little practice you appreciate the brightness of the viewfinder image. Practical experience is also recommended for a smooth shutter release. It will react instantly, free of vibration, to the slightest touch of your index finger (see Fig. 7). Ask a photo dealer to let you handle the Minox 35 EL. He will be delighted, and so will you.

SOME ADDITIONAL IMPORTANT FEATURES AND ACCESSORIES.

Flash.

Any flash unit with a hot shoe contact or with an appropriate adapter can be inserted in the hot shoe of the Minox 35 EL. This automatically sets the electronic shutter at the fixed speed of 1/30 sec.

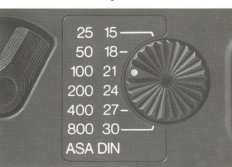


Fig. 6. Film speed scale

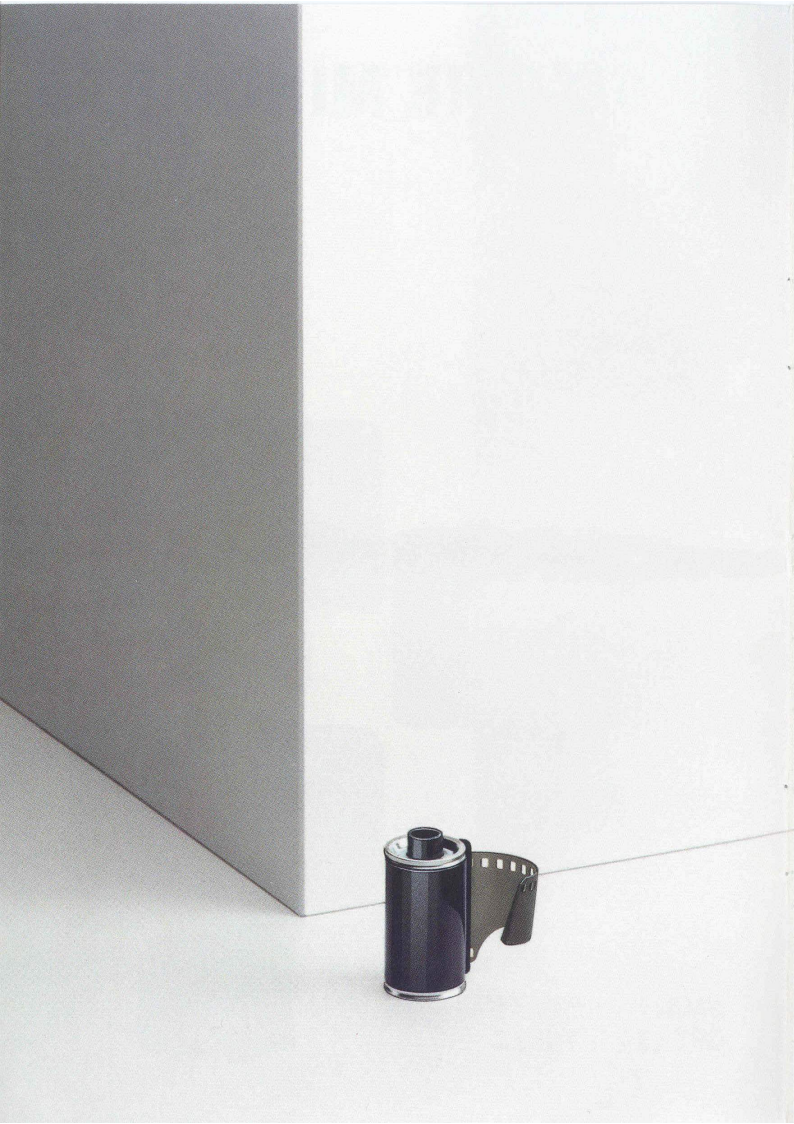


Fig. 1. 24 x 36 mm (35 mm) format



MINOX 35 ML * in Aperture Priority AE mode only
4 elements in 3 groups Color-Minotar f/2.8 35 mm
from 90 cm (3 ft) to infinity
* depth-of-field ring
programmed AE, aperture priority AE
* f/2.8 to f/16
1/500 to approx. 1 sec.
* LED: 1/30, 1/60, 1/125, 1/250, 1/500 sec.
LED in viewfinder on shaded area
* LED in viewfinder
doubling the exposure time
camera front
switches to 1/125 sec.
One PX 28 L (Lithium) or one PX 28 (silver oxide)
Test button. LED signal in finder
1/4 in. bush (standard)
Next to release button (standard)
Glass fibre reinforced Makrolon
Matt black
10 x 6,2 x 3,2 cm (3.9 x 2.45 x 1.3 in.)
Approx. 180 g (6.4 oz)
MF 35 ST, MT 35 D-35 M

**FOR THOSE WHO WANT TO
KNOW EVERYTHING:
THE TECHNICAL DATA.**



**EVEN SMALLER
MINOX CAMERAS:
MINOX LX
MINOX EC**

If you find the Minox 35 - compactest of all compact 35 mm cameras - still too big, we have something smaller yet: The 8x11 mm Minox models. They established the reputation of Minox as the precision ultra-miniature camera. And they are living up to it.

First the Minox LX - a tiny marvel with many superb technical features and a legendary lens. Even tinier is the Minox EC. There are detailed leaflets for both, available from the national Minox distributor in your country or directly from Minox GmbH, Postfach 60 20, D-6300 Giessen 1, Federal Republic of Germany.

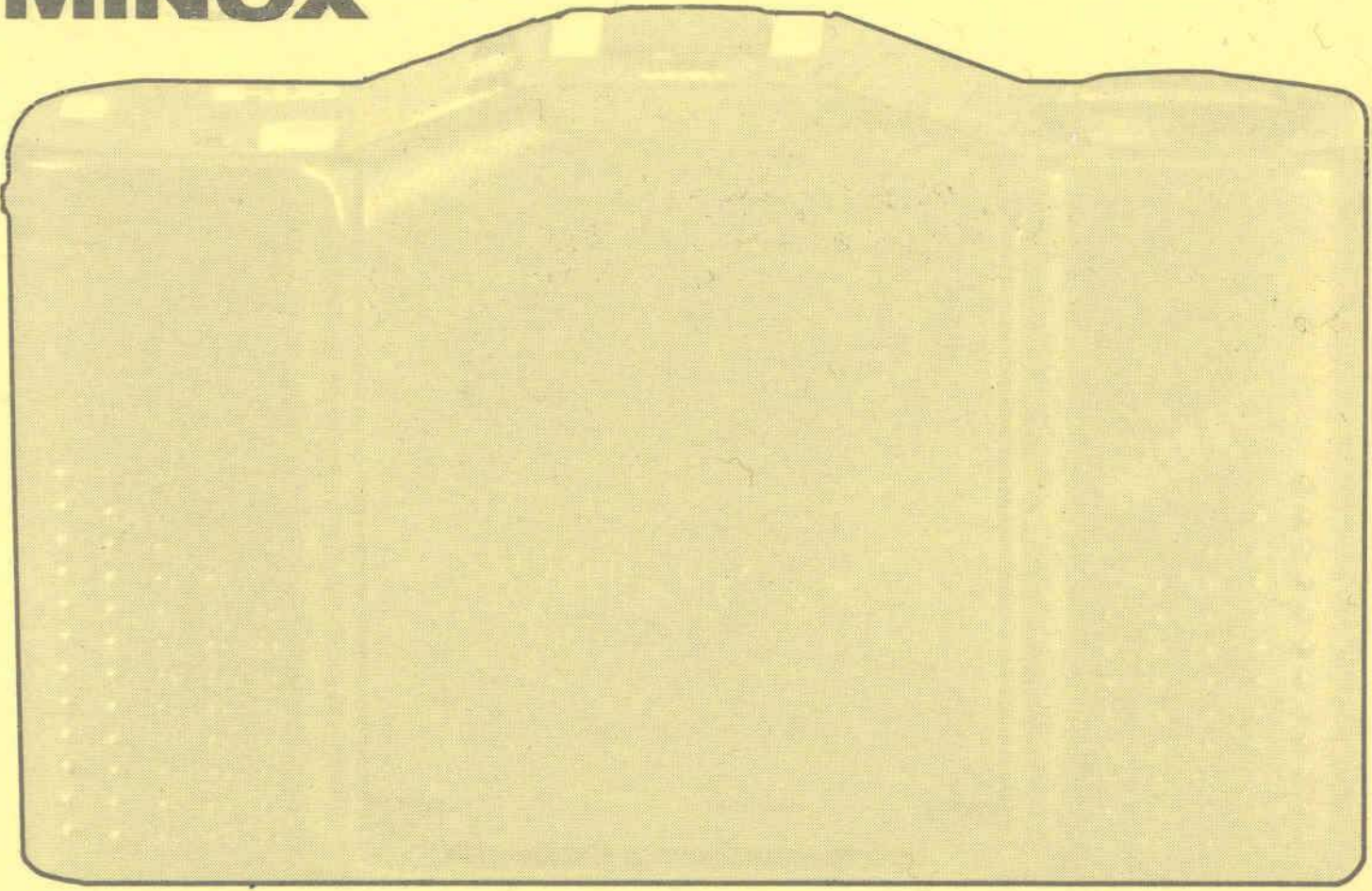
**THE BIGGEST PART OF
A MINOX 35:
THE 24 x 36 mm
FRAME SIZE**

It all started with an idea to design a camera not much larger than a 35 mm film cartridge. For 35 mm films are available nearly everywhere in every type you need, they are easy to process and – most important – they yield an ideal image size for outstanding colour slides and prints.

The result was the Minox 35. You can carry this incredibly compact camera in any trouser or shirt pocket, or the smallest handbag – the handy front cover protects the lens. It also hides some impressive engineering in each Minox 35. And there are models for everyone.



MINOX





MINOX BINOCULAR COMPACT 8x22 B

The very compact, lightweight, high class binocular from Minox.

Best optical glass with wide-band CERALIN® multi-coating on all glass/air-surfaces.

Internal focusing and appropriate sealing guarantee protection of the interior against dust and water.

Magnification: 8x. Field of view at 1000 m: 118 m / at 1000 yd: 118 yd. Twilight factor: 13.3. Weight: 200 g / 7 oz. Sizes: 92 x 62 x 39 mm / 3.6 x 2.4 x 1.5 in.)

With elegant leather ever-ready / belt case.



MINOX POCKET TELESCOPE T8 / T8L FOR ONE-HAND OPERATION

The world's most compact monocular magnifying 8 times. Function, compactness and optical resolution meet highest user requirements. Apart from its size, the target marker in the finder is a unique feature, making it very easy to locate subjects immediately, even when they are moving.

Magnification: 8x. Field of view at 1000 m: 50 x 80 m / at 1000 yd: 50 x 80 yd. Weight of T8 (body: black ABS): 64 g / 2.2 oz. Weight of T8L (body: anodized aluminium): 70 g / 2.5 oz. Sizes: 103 x 49 x 15 mm / 4.1 x 1.9 x 0.6 in.)

With safety chain and leather belt case.

168 e Printed in Germany. Subject to modification. 1/92

ALL THE MINOX 35s



**SMALL CAMERAS
GREAT PICTURES**

Manufactured with care and experience in the Federal Republic of Germany.

M. S. HOBBIES

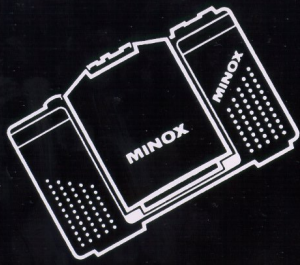
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Federal Republic of Germany



MINOX

Weltmeister in Kompaktheit - Made in Germany



Fig. 7. Release button of the Minox 35 EL.

The tripod.

The Minox 35 EL has a tripod bushing which fits any standard tripod. The Minox pocket tripod is ideal for use with this camera. It is a sturdy miniature tripod, which, when collapsed, is little larger than a pencil (see Fig. 9). It will stand on any support—even if not level—and it can also be used as a chest-pod.

Eveready case. Another important accessory for the Minox 35 EL is its handsome protective case made of black Morocco leather. It adds only a few mm to the thickness of the camera and comes with a wrist strap. (see Fig. 10)

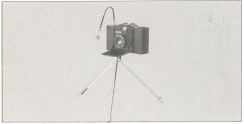


Fig. 8. Minox 35 EL on Minox pocket tripod

MUCH MORE COULD BE SAID ABOUT THE MINOX 35 EL.

Anything else you want to know about the Minox 35 EL your photo dealer will be delighted to explain and demonstrate to you. The instructions for the Minox 35 EL will tell you, in great detail, all you want



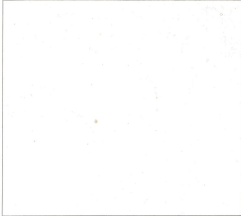
Fig. 9. Minox pocket tripod (folded) with cable release (inside)

to know. Once you have handled this "little wonder" you will be "turned on".
 Technical data: Weight: about 190 g (less than 7 oz.). Volume: about 178 cc.
 Dimensions: 3.1 x 6.1 x 10 cm (1¼ x 2½ x 4" approx.) Film format: 24 x 36 mm (35 mm cartridge); Lens: 35 mm Color-Minotar f/2.8 four-element lens. Manual aperture preselection from f/2.8 to f/16. Electronic shutter with automatic speed control from 1/500 to about 30 sec. at ASA 25 or about 1 sec. at ASA 800. Film speed setting range: 25–800 ASA. Built-in CdS exposure meter for shutter speed indication with overexposure and slow-speed warning in the viewfinder. Focusing range 3 ft. (90 cm) to infinity. Accessory shoe with flash contact and automatic shutter setting at 1/30 sec. Battery test. Tripod bushing. Cable release socket. Body made by fibre-glass-reinforced Makrolon. Color: black matte finish.

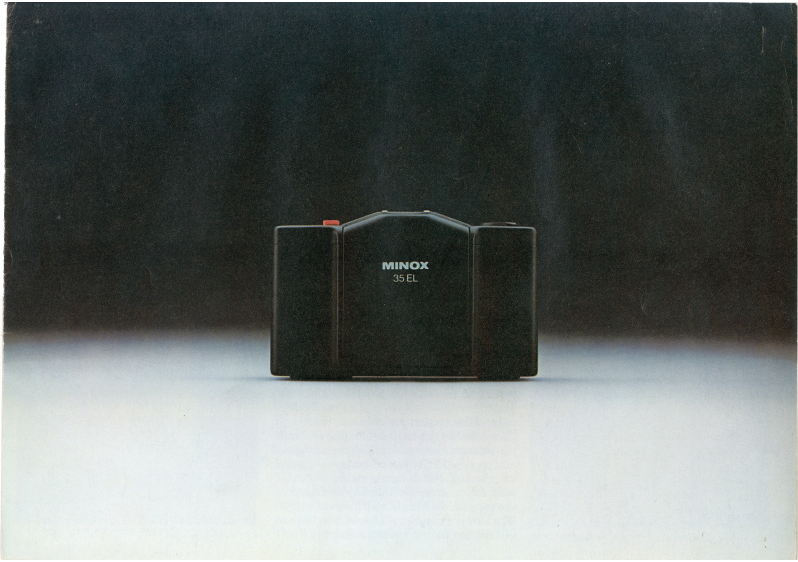


Fig. 10. Minox 35 EL with eveready case

MINOX GmbH, POB 6020, D-6300 Giessen 1



132 a Printed in Germany - Alterations without notice III-76



	MINOX 35 GSE	MINOX 35 GT-E
Film size:	35 mm cartridge (135), frame size: 24 x 36 mm	
Lens:	4 elements in 3 groups Color-Minotar f/2.8 35 mm	4 elements in 3 groups MC Minoxar f/2.8 35 mm multi coated, with skylight filter
Focusing (manual):	from 90 cm (3 ft) to infinity	from 70 cm (2.3 ft) to infinity
Depth of field indication:	depth-of-field ring	depth-of-field ring
Automatic Exposure mode:	aperture priority AE	aperture priority AE
Aperture settings:	f/2.8 to f/16	f/2.8 to f/16
Auto Exposure control (AE shutter speeds):	1/500 to approx. 8 sec. with 100 ISO film	1/500 to approx. 8 sec. with 100 ISO film
Shutter speed display in viewfinder:	Scale with pointer: 1/30 to 1/500 sec.	Scale with pointer: 1/30 to 1/500 sec.
Slow speed warning (if slower than 1/30):	Pointer on lower shaded area	Pointer on lower shaded area
Overexposure warning (if faster than 1/500):	Pointer on upper shaded area	Pointer on upper shaded area
Backlight switch:	doubling the exposure time	doubling the exposure time
Selftimer:	electronic selftimer built-in, delay approx. 10 sec., flashing LED on	
Film speeds setting:	ISO 25 to 1600, including all intermediate values	
Flash contact:	Standard hot shoe. If flash is installed, shutter speed automatically	
Power source:	Two CR 1/3 N Lithium batteries	Two CR 1/3 N Lithium batteries
Battery check:	Test button. Pointer in finder moves to 1/125	
Tripod bush:	1/4 in. bush (standard)	1/4 in. bush (standard)
Cable release socket:	Next to release button (standard)	Next to release button (standard)
Body:	Glass fibre reinforced Makrolon	Glass fibre reinforced Makrolon
Colour finish:	Matt black	Matt dark grey
Size (width x height x depth):	10 x 6,1 x 3,1 cm (3.9 x 2.4 x 1.2 in.)	10 x 6,1 x 3,4 cm (3.9 x 2.4 x 1.4 in.)
Weight incl. battery:	Approx. 200 g (7.1 oz)	Approx. 190 g (6.8 oz)
MINOX Flashes Data Back	FC 35 ST, (FC-E, MF 35 ST) MT 35 D-35 G	FC-E, (MF 35 ST) MT 35 D-35 G

GREEN LIGHT FOR THE NEW MINOX 35 GSE

perly exposed pictures with a depth of field of 2 to 25 m / 6 1/2 to 82 ft.

You obviously want a supremely compact ever-ready camera. If you also prefer to select your own shutter speed, aperture and depth of field, your ideal 35 mm camera is the Minox 35 GSE. Its automatic exposure (AE) control with aperture priority gives you just that scope. You set the appropriate aperture for the depth of field you need and then let the AE control look after the exposure time. Or set a shutter speed indirectly: turn the aperture ring to make the needle in the finder point to the exposure time you want.

Should the light be too bright or (more likely) insufficient, the Minox tells you so with a convenient overexposure or slow speed warning.

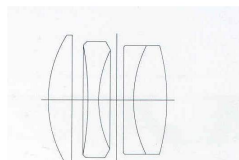
If it gets so dark that even a 1/30 sec exposure is inadequate, the Minox 35 GSE's slow-speed warning comes into action: The needle of the built-in exposure meter drops into the shaded area at the bottom of the finder.

With the Minox 35 GSE you then have three choices:

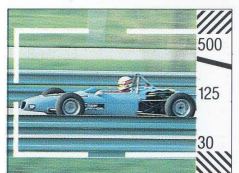
1. Mount the camera on a tripod (for instance the handy Minox pocket tripod) and shoot.
2. Mount one of the matched Minox flashes on the camera. (Minox FC 35 ST, Minox FC-E, Minox MT 35.)
3. Take a deep breath, release the shutter and hope for the best!

The camera with the quickshot setting: When the green marks on the lens tube are lined up, the camera selects the right shutter speed.

In normal weather conditions this setting produces pro-



The Color-Minotar 1:2.8/35 mm, the famous 4-element retractable lens, guarantees pin-sharp and colour-correct exposures.



Preset a fast shutter speed – indirectly – for impressive sports shots.



The Minox FC 35 ST and Minox FC-E flashes (with series thyristor): GN 18/58 (m/ft) for ISO 100, two aperture options for auto mode.



Minox MT 35 with vario-computer and tilt-up reflector: GN 26/85 (m/ft) for ISO 100, series thyristor, battery check.



ACCESSORIES MATTER WITH MINOX

Apart from the flash units we mentioned, there are further handy accessories for all Minox 35 cameras. To start with, there is the **black leather ever-ready case**. A small eyelet at the left and right takes either the wrist strap supplied or the **neck strap** which is available separately.

The elegant **belt and wrist case** for the Minox is tailored in soft burgundy-red Naskapi leather.

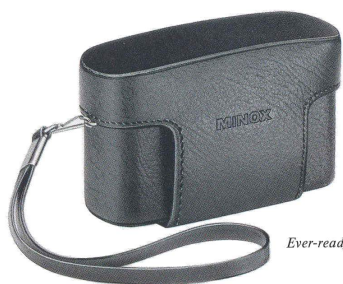
If you want to carry everything for picture taking with the Minox 35 – including the flash – in one case, you will like the special Minox **shoulder bag**.

There is the **skylight filter** and the **neutral density filter**, combined with a collapsible **lens hood**. And the shiny pencil-size item becomes a rigid **miniature tripod** when you need it – complete with **cable release**.

With the compact **Data Back**, operating like a quartz clock with calendar to 2019, you can record date and/or time on your exposures.

The **close-up attachment f=100** is an original MINOX achromatic doublet, consisting of two coated elements of optical glass, enabling your MINOX 35 camera to focus on subjects 15,5 cm (6.1 in.) away, covering a 6 x 9 cm (2.4 x 3.5 in.) field. A useful accessory is the **close-up camera stand**.





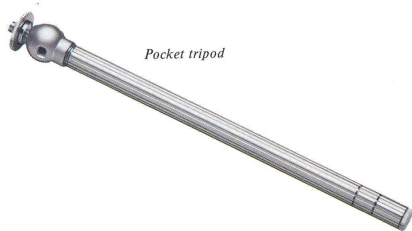
Ever-ready case



Neck strap

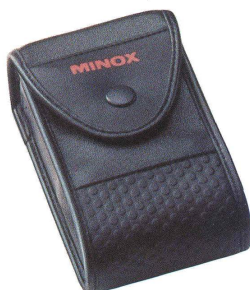


Data back D-35 M
for ML, MB, TOURING
Data back D-35 G
for GT-E, GSE, GT/1600 ASA



Pocket tripod

Soft Naskapi leather belt
and wrist case



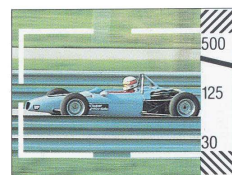
Black leather belt case

MINOX 35 GT-E „THE IMAGE MACHINE“

The Minox 35 GT-E lets you take great photos whenever you feel like it. This sophisticated machine will fit snugly into any pocket. So it's immediately available for both snapshots and carefully composed pictures. Automatic exposure with aperture priority, and depth-of-field indicator allow you to master any situation while offering generous scope for creative camera work. Advanced electronics with backlight switch, exposure indicator in viewfinder and self-timer with LED, the powerful high-performance lens and the camera's modern styling are the features that make the Minox 35 GT-E the perfect camera for serious photographers. Minox is associated with the quality "made in Germany", another good reason for us to call it The Image Machine.

The famous Minox 35 GT-E has been developed from the Minox 35 GT by the international design group "Frog Design".

- The major modifications:
- the ergonomic design
 - midnight-grey colour
 - functions printed on the camera
 - multi-coated (MC) Minoxar lens
 - integrated skylight filter
 - easier loading with the new film take-up spool
 - power source: two L1/3 N Lithium batteries (2 x 3 volt)
 - closest focusing distance: 70 cm/28 in.



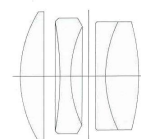
Preset a fast shutter speed - indirectly - for impressive sports shots.



The Minox FC-E flash (with series thyristor): GN 18/58 (m/ft) for ISO 100, two aperture options for auto mode.



Minox MT 35 with vario-computer and tilt-up reflector: GN 26/85 (m/ft) for ISO 100, series thyristor, battery check.



The MC Minoxar 1:2,8/35 mm is the modified version of the famous 4-element retractable Minox lens: multi-coated, completed by a skylight filter, focusing from 0,7 m/28 in. to infinity.





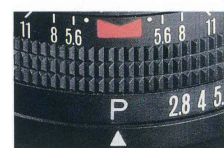
SUPREME SMALL CAMERA: MINOX 35 ML

however attractive the package, the Minox tradition dictates that it is the inside that counts. Part of the inside story of the Minox 35 ML is dual-mode AE. Here is how it works: If you don't want to be bothered with selecting apertures and shutter speeds, just set the Minox 35 ML to "P" (Program). It then looks after everything for you - to yield perfectly exposed shots every time. But if you would prefer automatic exposure control, for instance to check depth of field, that's easy, too.

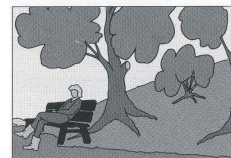
Just select aperture-priority AE and set the aperture you want. An LED in the finder shows you the matching shutter speed when you touch the release.

A special technical feature of the Minox 35 ML is its exposure memory. That takes care of things on the few occasions when centerweighted readings don't quite do the job. Suppose you have a glorious Alpine scene with a large brilliant sky, and Auntie Hilda providing the human interest in the bottom right corner. No problem with the Minox 35 ML. Point the camera at Auntie Hilda, partly depress the release button (that stores the reading), re-aim the camera for the view you want and release. Later you will enjoy your perfectly exposed shot.

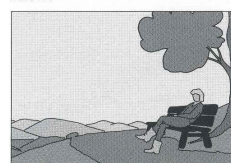
Finally, the matched Minox MF 35 ST and Minox MT 35 flash units make the Minox 35 ML brilliantly versatile.



Dual-mode Automatic Exposure: programmed AE and aperture-priority AE.



Stored readings: Correct reading here...



... mean correct exposure here.



Minox MF 35 ST (with series thyristor): GN 18/58 (m/ft) for ISO 100, two aperture options for auto mode.



Minox MT 35 with vario-computer and tilt-up reflector: GN 26/85 (m/ft) for ISO 100, series thyristor, battery check.

The Minox 35 ML is the flagship of Minox's 35 mm camera range. Even its styling is exclusive. But

“green” setting you have automatically correctly exposed shots up to 15 feet or 4.5 m away. At the “red” setting you get more depth of field, though the maximum range drops to 10½ feet or 3.2 m. You can also switch

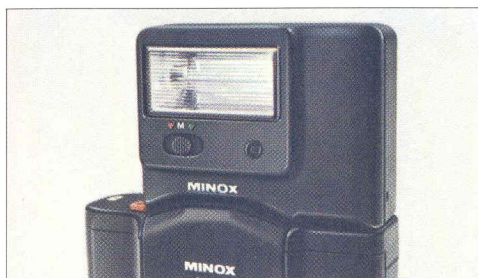


Fig. 10: Minox 35 GL with the Minox FC 35 flash off the computer control to shoot at still greater distances with a high-speed film. So if you treat yourself to a Minox 35 GL, don't forget the FC 35. True, you can fit any strobe flash to the camera's hot shoe contact, *but Minox is Minox is Minox.*

A TRIPOD FOR THE MINOX 35 GL

Needless to say, the Minox 35 GL has

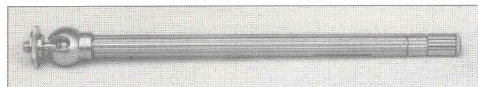


Fig. 11: Minox pocket tripod (closed) with cable release (inside).

a tripod bush in the base, to fit on any tripod, for instance – or especially –

on the *Minox pocket tripod* (Fig. 9). The Minox pocket tripod is a rigid miniature tripod that closes up to not much larger than a pencil (Fig. 11). It stands firm on any surface (even or uneven) and can serve as a chestpod for horizontal shots – the ideal accessory.



Fig. 12: The ever-ready case and neck strap

THE EVER-READY CASE – TAILORED TO THE MINOX 35 GL

It adds no more to the bulk of the Minox 35 GL than a soft zip case. This black leather case has an eyelet at each side to take either the wrist strap supplied with it or the separate 38 inch (96 cm) neck strap. You can

remove the case top altogether and go out with your Minox 35 GL dangling around your neck, ready to shoot (Fig. 13).



Fig. 13: The top of the ever-ready case folds open and is removable. The Minox 35 GL here carries the Skylight filter with collapsible lens hood.

IMPORTANT: THE SKYLIGHT FILTER WITH LENS HOOD

A skylight filter cuts out blue cast

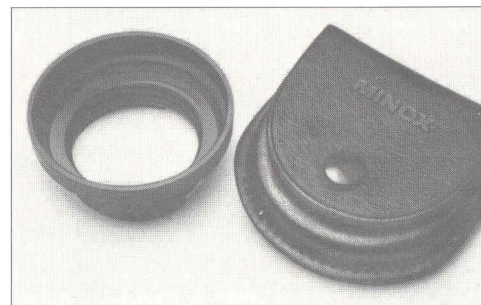


Fig. 14: Skylight filter with lens hood

THE MINOX 35 GL IS THE SMALLEST-EVER FULL-FRAME 35 mm CAMERA COMPLETE

Minox GmbH is famous for its superb small cameras. The camera we are showing here is a true Minox, made by Minox in Giessen, West Germany. The volume of the Minox 35 GL is under 11 cubic inches (178 cm³) and the camera weighs around 6.7 ounces or 190 grams. It is eminently flat and supremely pocketable.

Externally the Minox 35 GL looks almost the same as its immensely popular predecessor, the Minox 35 EL. The only obvious change is the backlight switch – we'll come back to that later.

But a lot has changed inside the Minox 35 GL. After years of production experience we obviously learned ways of doing things even better. So the Minox 35 GL incorporates innumerable detail improvements, to make it still more perfect and reliable. Yet the camera remains as small as

it was before. The front page of this brochure shows the Minox 35 GL in full natural size.

THE MINOX 35 GL IS THE WORLD'S SMALLEST FULL-FRAME 35 mm CAMERA

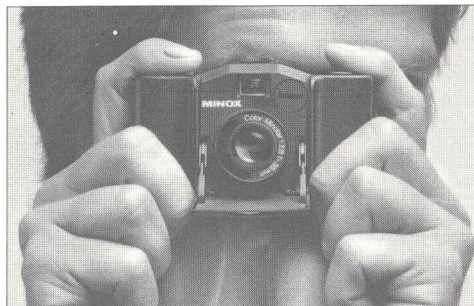


Fig. 2: Minox 35 GL, ready for action

Yet it takes all conventional 35 mm films (Fig. 1) from 25 to 800 ASA, for colour slides or colour prints or black-and white, for 12, 20, 24 or 36 exposures. Take your pick.

THERE IS A REASON FOR THE SMALLNESS OF THE MINOX 35 GL

It is small so it is easy to take with you – and to leave you no excuse for leaving it at home. It is the constant companion for the advanced amateur who may not always manage to carry

his large and expensive 35 mm outfit – and it takes pictures in the same 24 x 36 mm format. But the Minox 35 GL is equally the ideal beginner's camera: A small, lightweight, pocketable but full-frame miniature camera complete with convenient automatic exposure control. And as the beginner gains experience, he can take a hand himself in controlling exposure time and depth of field.

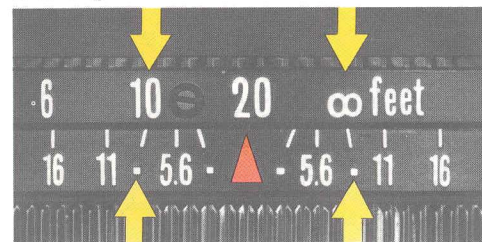


Fig. 3: Distance and depth of field scales. At f/8 everything is sharp from 10 feet to infinity.

THE FRONT COVER: PROTECTION AND ACTION

Closed as shown on the front page, the Minox 35 GL is just 1¼ inches (3 cm) thick.

The closed front cover protects the retracted lens against dust, fingerprints and spray. The electronic system is switched off and the release blocked. But the Minox 35 GL goes into action as soon as you open the front cover and operate the winding lever. When the lens is extended for



Fig. 1: The 24 x 36 mm miniature format

WITH EXPOSURE AUTOMATION

shooting, you can look through the finder and see the shutter speed readout – you are ready to shoot (Fig. 2).

A HUGE ADVANTAGE OF THE 4-ELEMENT 35 mm COLOR-MINOTAR f/2.8 LENS

To secure the quality we insist on, we manufacture the lens of the Minox 35 GL ourselves. Its comparatively short focal length of 35 mm yields *exceptional depth of field*. That means you don't have to focus your subjects with inch precision. The depth of field ring next to the distance scale shows the available sharp zone.

THE MINOX 35 GL's AUTOMATION WITH OPTIONS

The electronic shutter of the Minox

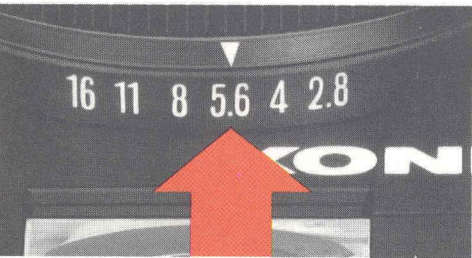


Fig. 4: Presetting the aperture.

35 GL *automatically* sets the correct exposure time – from 1/500 to about 30 seconds with 25 ASA film. The setting depends on the subject bright-

ness, the speed of the film you are using and your selected lens aperture.

This is the most up to date type of exposure automation for it leaves all options open:

1. YOU CAN PRESET THE APERTURE
2. YOU CAN INDIRECTLY PRESET THE SHUTTER SPEED
3. YOU CAN USE A SNAPSHOT SETTING

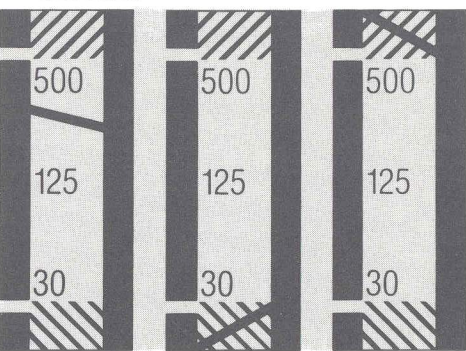


Fig. 5: Left: Shutter speed about 1/300 second. Centre: Slow speed warning (pointer in shaded area below 1/30 second). Right: Overexposure warning (pointer in shaded area above 1/500 second).

1. Set any aperture from f/2.8 to f/16 to control the depth of field you need for your subject. The finder tells you the resulting shutter speed. The same pointer also tells you when you risk camera shake (if you've selected too small an aperture) or overexposure (too large an aperture).

2. If you must have a given shutter speed, watch the shutter speed indication in the finder and turn the aperture ring until the pointer shows the speed you want. This is the way for action subjects – or whenever you need short exposure times.

3. The simplest way is to set a medium aperture, for instance f/5.6. In normal daylight conditions you can now let the electronic control of your Minox 35 GL get on with it. If the light changes sufficiently to need a different aperture, the pointer in the finder tells you in good time. This is the most convenient way. So the shutter speed readout in the finder is a valuable feature – even though we had to put in an extra CdS meter for it, not to mention the automatic electronic shutter.

NOW THE MINOX 35 GL HAS A BACKLIGHT SWITCH

This is an immense boom to the more advanced Minox 35 GL photographer.

MORE MINOX FEATURES AND FACILITIES

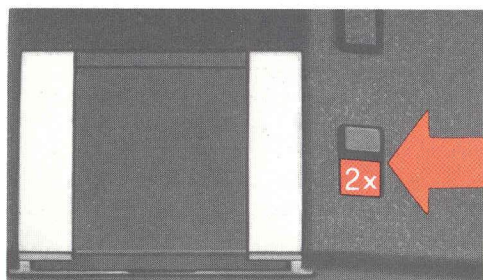


Fig. 6: The backlight switch on the Minox 35 GL

You need it whenever the main subject is significantly darker than the rest of the view, for instance against-the-light views or people in the snow. There the backlight switch doubles your automatically set exposure time. In other words, the film gets twice as much light to expose such pictures correctly.

NOW YOU CAN SET PRECISE FILM SPEEDS ON THE MINOX 35 GL

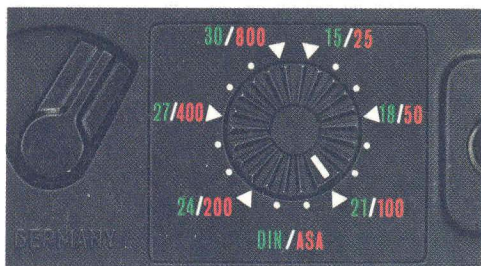


Fig. 7: The film speed setting scale in the base of the Minox 35 GL

Whatever the ASA or DIN speed of your film, the Minox 35 GL is ready for it. You can set every ASA or DIN speed from 25 to 800 ASA or from 15 to 30 DIN.

ONCE YOU HAVE SEEN ALL YOU WANT THROUGH THE FINDER – PRESS THE BUTTON

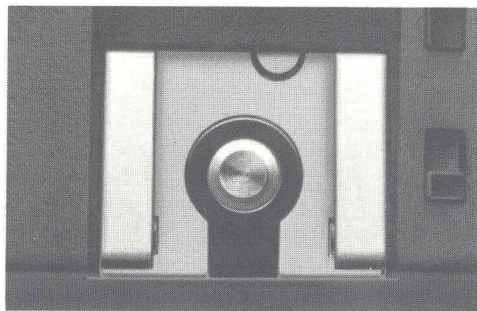


Fig. 8: The hot shoe

Let's go from theory to practice. Look through the Minox 35 GL's finder yourself, to appreciate its image brightness. Try pressing the release button, too – and notice how the gentlest pressure of your index finger softly releases the shutter without shake. Ask a photo dealer to let you handle a Minox 35 GL. He will be delighted, and so will you.

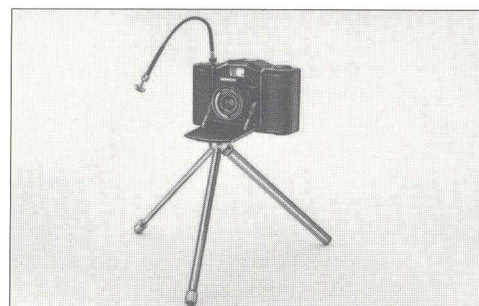


Fig. 9: The Minox 35 GL mounted on the Minox pocket tripod

THE CABLE RELEASE AND SELF-TIMER ADAPTER

Because the release of the Minox 35 GL is so feather light, even the weight of a cable release or self-timer can accidentally trigger it. So to avoid wasting film, fit the cable release and self-timer adapter.

(For Minox 35 EL owners only: Every accessory of the Minox 35 GL equally fits your EL.)

THE MINOX 35 GL IS IDEAL FOR FLASH – ESPECIALLY FOR THE MINOX FC 35 COMPUTER FLASH

The Minox FC 35 electronic flash unit fits the Minox 35 GL like a glove. In design, function and 1¼ inch thickness, the flash precisely matches the Minox 35 GL. You have two aperture options and working ranges: at the

MINOX







MINOX 35 GL

which in brilliant blue skylight appears where you least want it: in people's faces or on the pale green meadow. The skylight filter also absorbs ultraviolet rays and so avoids unsharp pictures in certain UV-rich daylight conditions. The skylight filter is combined with a folding lens hood (Fig. 14). The filter and lens hood comes in a small flat leather case for easy attachment to the wrist strap.

STILL USEFUL: THE NEUTRAL DENSITY FILTER WITH LENS HOOD

This allows you to use your fastest 400 ASA (or still faster) film for candlelight shots (without flash) in the evening and for a brilliant alpine landscape the next day. You need it whenever even 1/500 second at f/16 would produce overexposure. The ND



Fig. 15: Combined belt and wrist pouch, here used as wrist pouch

filter has a 4x factor equivalent to 2 lens stops.

DON'T FORGET THE BELT AND WRIST POUCH

This soft case in burgundy red Naskapi leather ideally fits the Minox 35 GL for carrying on your wrist or your belt. After all, a small high-class camera deserves an elegant case!

TECHNICAL DATA OF THE MINOX 35 GL

Weight: Approx. 6.7 ounces (190 grams)

Volume: Approx. 10.9 cubic inches (178 cm³)

Size: 1.2 x 2.4 x 3.9 inches (3.1 x 6.1 x 10 cm)

Negative size: 24 x 36 mm (standard miniature cartridge)

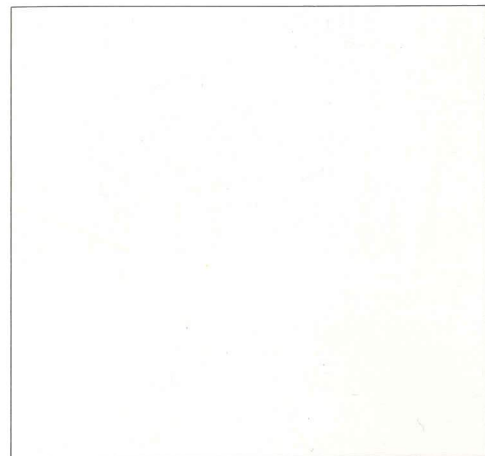
Four-element 35 mm Color-Minotar f/2.8 lens

Aperture preselection from f/2.8 to f/16. Electronic shutter with automatic speeds from 1/500 to about 30 seconds with 25 ASA film, or to about 1 second with 800 ASA. Backlight switch doubles the exposure time. Film speed setting range 25-800 ASA (15-30 DIN). Additional built-in CdS exposure meter for shutter speed indication, with overexposure and slow speed warnings in finder. Focusing range from 3 feet to infinity. Hot shoe for flash with auto-

matic shutter speed switching to 1/125 second. Battery check. Tripod bush. Cable release socket.

Body: Glass fibre reinforced Makrolon.

Colour: Matt black.



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MINOX

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The New Minox camera.



Minox 35 ML: Incredibly compact, full

Minox has always produced cameras of unbeatable compactness and precision – for instance the famous 35 mm models: Minox 35 GT, Minox 35 PL and Minox 35 PE. The first two are also the compactest ever of their kind.

Now better than ever is the Minox 35 ML: Minox's new top 24 x 36 mm camera.

At first sight the Minox 35 ML closely matches the Minox 35 mm camera image: Supremely compact (just 32 x 62 x 100 mm or 1.3 x 2.4 x 3.9 in.) and almost unobtrusive in its matt black finish. But look again: The new Minox 35 ML is restyled, slightly less rounded, more a modern engineering product. Yet appearance is external, as with any Minox. What counts is what's inside.

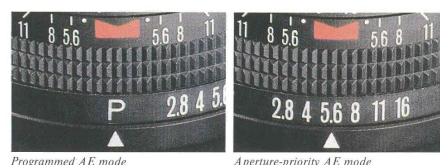
Before getting down to Minox 35 ML details, a few basic points. Obviously the lens is vital in photography. So Minox has spared no effort here. First, the lens of the Minox 35 ML is an exclusively Minox-made product. Second, that 35 mm Minox Color-Minotar f/2.8 is an exclusive high-definition quality lens.

The dual exposure automation is a rather exclusive Minox 35 ML provision, too. Off-hand, you can't think of any other 35 mm lens shutter camera of similar scope? Nor can we.

That dual-mode automation makes photography supremely easy and enjoyable. On the one hand you can simply set the Minox 35 ML to P for programmed AE mode. Then put apertures and shutter speeds out of your mind: Just concentrate on the subject. But if you need specific apertures for depth of field control, you also have an aperture-priority AE mode.

So you can match your photographic style to your subject. The Minox goes along with it all.

A bright spot of the Minox 35



Programmed AE mode

Aperture-priority AE mode

ML is its viewfinder with LED signals. Their brightness, incidentally and amazingly, matches the external lighting level. The LEDs tell you whether you are in programmed AE mode, show the shutter speed in

24 x 36 mm frame, supremely versatile

aperture-priority AE mode and warn you of possible overexposure or camera shake risk.

The pre-reading memory hold of the Minox 35 mm ML is a really special



Without pre-reading: Underexposed



With pre-reading: Correctly exposed

feature. Just touch the large convenient release button – and you hold an exposure reading. Then you reframe your subject at leisure (for instance people in snow), depress the release further – and you immediately have a perfectly exposed shot.

Or you can use the Minox 35 ML's backlight switch. Not new, true, but very handy. What is new, is the centre-weighted reading of the silicon cell. As you see, Minox has spared no efforts.

Obviously, you are skilled enough to load a 35 mm cartridge. But it is good to know that you can't go wrong even if you are in a hurry. For the Minox 35 ML has an almost automatic film end capturing device on the take-up spool. And if the

Minox 35 ML should hold a high-speed ISO 1600/33° film, it can cope with that, too: Film speed settings range from ISO 25 to ISO 1600.

What else? Well there is an electronic selftimer, a cable release socket, a tripod bush and interesting accessories. Note particularly the three automatic flash units for the Minox 35 ML. They are not only powerful (guide numbers between 18/59 and 26/85 in m/ft for ISO 100) but closely match the styling of the Minox 35 ML.

Technical data of the Minox 35 ML

Size: 32 x 62 x 100 mm (1.3 x 2.4 x 3.9 in.).
Weight: Approx. 180 g (6.35 oz) with battery.
Picture size: 24 x 36 mm (standard 35 mm cartridge).
Four-element 35 mm Color-Minotar f/2.8 lens.
Focusing range: 90 cm (3 ft) to infinity.
Electronic exposure control in two modes: Aperture-priority AE covering apertures from f/2.8 to f/16; electronic shutter with 1/500 to 1 sec. at ISO 100/21°.
Programmed AE mode with combined aperture and shutter speed control.
LED signals in finder show programmed AE mode, shutter speed, overexposure warning and slow speed warning.
Prereading hold by partly depressing release button.
Backlight switch to double exposure time.
Film speed settings from ISO 25/15° to ISO 1600/33°.
Electronic selftimer with approx. 10 sec. rundown.
Hot shoe and automatic 1/125 sec. synch setting.
Power source: PX 28 lithium or silver oxide battery (6 volts).
Battery check.
Cable release socket.
Tripod bush.
Take-up spool with automatic film attachment.
Body in glass-fibre-reinforced Makrolon.
Matt black finish.
Made by MINOX GmbH, Giessen, West Germany.

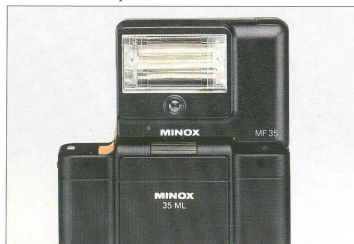
The Minox 35 ML accessories



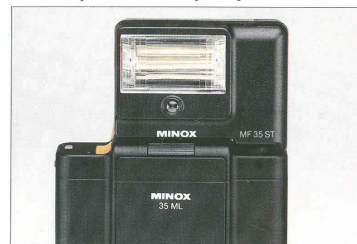
Belt and wrist pouch.



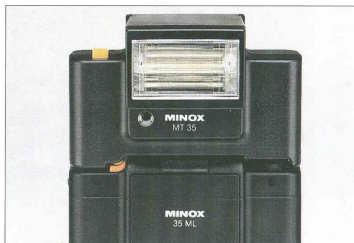
Everready case and carry strap.



Minox MF 35 flash.



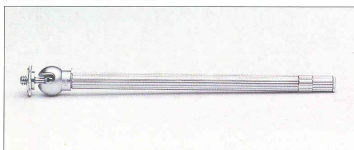
Minox MF 35 ST flash.



Minox MT 35 flash.



Skylight and neutral density filters with case.



Minox pocket tripod and cable release.

MINOX

Minox GmbH, Postfach 60 20, D-6300 Giessen 1



**“CAN YOU TELL ME,
PLEASE, WHO MAKES THE
WORLD’S SMALLEST
24x36 mm MINIATURE
CAMERAS?”**

“YES – MINOX GMBH”

**“WHAT ELSE IS WORTH
KNOWING ABOUT THE
MINOX 35 MODELS?”**

**“THE MINOX TECHNICAL
DATA AND MINOX
ACCESSORIES”**

**„AND IS THERE ONE WHERE
YOU DON'T EVEN HAVE TO
ATTACH AN ELECTRONIC
FLASH?“**

“YES, THE MINOX 35 PE!”

MINOX

MINOX

**Mini-Lexikon
der
Minoxografie**

Schärfentiefeanzeige

Weitreichende Konsequenzen: Das Minox-Objektiv hat eine große Schärfentiefe. Von wo bis wo genau die Schärfe reicht, zeigt der Schärfentiefenring an (nur bei Zeitautomatik).



Impressum

MINOX

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mit Quellenangaben und

gegen Einsendung von

2 Belegexemplaren gern

erlaubt. © 1987

Das Mini-Lexikon der Minoxografie ist eine nicht nur ernst gemeinte Darstellung typischer Minox 35-Vorzüge, gewidmet allen Freunden unseres Hauses.

Selbstauslöser

Gruppenbild mit Fotograf:
Bei eingeschaltetem Selbst-
auslöser bleiben nach dem
Druck auf den Auslöseknopf
noch 10 Sekunden, bis die
Minox 35 die Aufnahme be-
lichtet.





The Minox 35 PL is a 24 x 36 mm miniature camera (also the world's smallest) with fully automatic program control. It is ideal for photographers who want good pictures in a hurry but without worry. Its automatic program correctly exposes every shot - you can forget aperture or shutter speed. If the latter gets slower than 1/30 second, a red signal in the finder and on the camera warn you of camera shake. The 35 PL, too, takes any flash unit with hot shoe foot. For this camera we again recommend the small Minox FC 35 (metric guide No. 18, or 60 in ft) and the Minox TC 35 series thyristor unit (metric guide No. 26, or 85 in ft, all with 100 ASA).

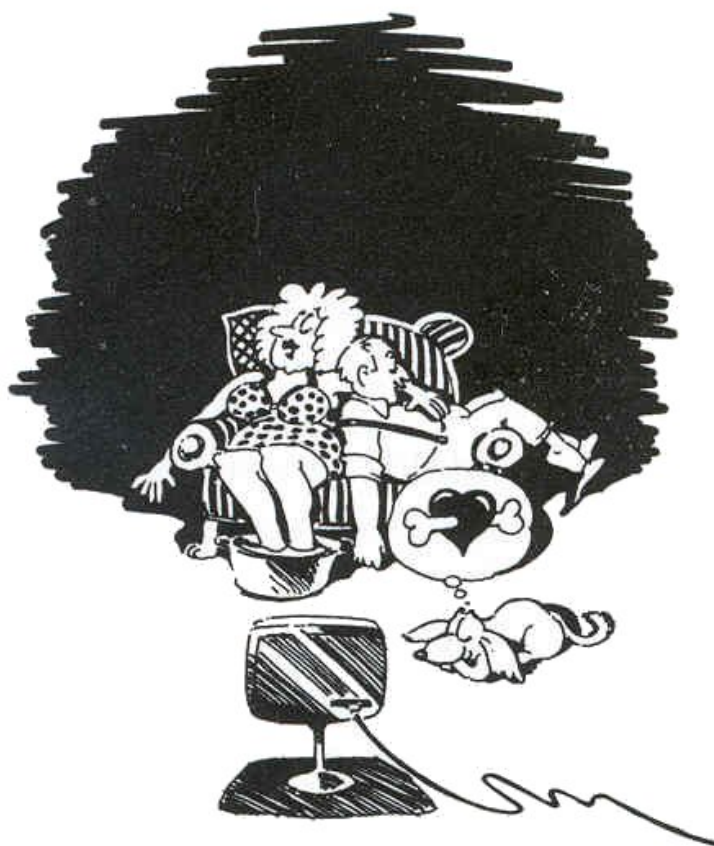
Programmautomatik

Wenn's schnell gehen soll: Die Minox 35 ML, auf »P« gestellt, sucht sich sowohl die Belichtungszeit als auch die Blende automatisch aus. Zusätzlich bietet die 35 ML auch Zeitautomatik.



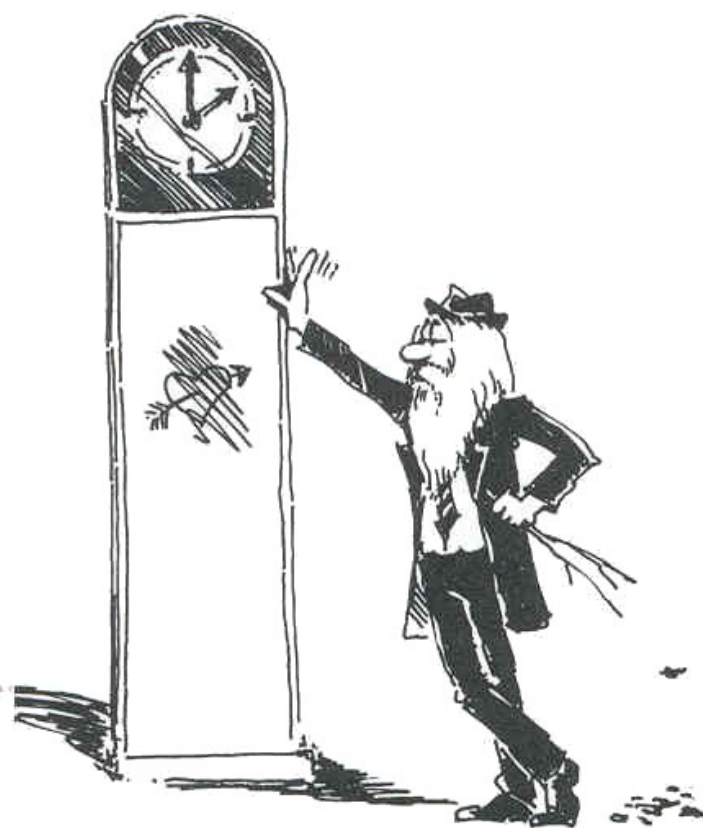
Gegenlichtschalter

Schattenspiele unerwünscht?
Damit bei starkem Gegenlicht
auch die Schattenpartien des
Bildmotivs gut belichtet wer-
den, kann die Minox die
Belichtungszeit verdoppeln.
Und so die Sonne überlisten.



Vierlinser

Eindrucksvolle Optik: Das vierlinsige Minox 35-Objektiv ist berühmt für seine hervorragende Schärfeleistung. Made by Minox in Gießen.



Zeitautomatik

Das Recht der freien Wahl: Jede Minox 35 gestattet es, die Blende von 2,8 bis 16 und damit die Schärfentiefe frei zu wählen. Die Zeitautomatik bildet dazu die richtige Belichtungszeit automatisch, zeigt sie aber schon vorher im Sucher an.



Meßwertspeicher

Die am Rande übersieht man leicht. Nicht die Minox 35 ML und die 35 MB: Ihr Meßwertspeicher kann ein Motiv am Bildrand anmessen und den Wert bis zum Auslösen speichern. Ansonsten konzentriert sich die Messung auf die Bildmitte.



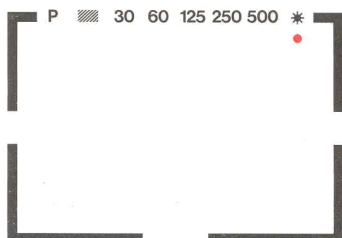
The overexposure warning

If the red LED underneath the star symbol to the right of 500 (1/500 sec.) lights up during an exposure reading, the shot could be overexposed at the preset aperture even with the shortest possible shutter speed of 1/500 sec.

So set a smaller aperture if possible and take a new reading until the LED lights up underneath 1/500 sec. or a longer time.

If the overexposure warning LED lights up even at the smallest aperture of f/16, you may possibly achieve a correct exposure by using a neutral-density filter (page 48). The ND filter quadruples the theoretically correct (but in practice not achievable) exposure time – for instance to 1/500 instead of 1/2000 sec.

28



Aperture-priority AE mode with release partly depressed: Overexposure warning.

Note the recommendations on page 41 when using extreme-speed films above ISO 400.

Aperture-priority AE

Indirect shutter speed preselection

Depending on light conditions, film speed and the preset aperture, the exposure read and indicated in the finder may be too long (e.g. 1/60 or 1/125 sec.) to avoid movement blur of fast moving objects. Here a fast shutter speed is more important than maximum depth of field.

Touch the release to read the exposure. If by chance this is 1/500 sec. leave the aperture as it stands and shoot.

If the LED indicates a longer time, let go of the release, set a larger aperture, take a fresh reading and if necessary repeat until you have 1/500 sec. If before that the aperture ring reaches the engagement stop for f/2.8, the exposure shown is the short-

Aperture-priority AE

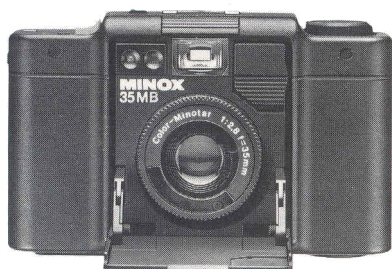
test feasible time for prevailing conditions. (Do not turn the ring against the resistance past 2.8, as you would then be switching to programmed AE mode.)

If the red LED indicates overexposure, let go of the release, set a smaller aperture and take a fresh reading. If necessary repeat till you get 1/500 sec. If before that the aperture ring reaches the smallest stop of f/16, you may be able to achieve a correct exposure with a neutral density filter (page 48). But this is not certain, especially if you use an ultraspeed film in bright light (see also page 41).

29

MINOX 35 MB

Gebrauchsanleitung



Schlagen Sie bitte diese und die letzte Seite nach außen, so daß Sie immer die beiden Abbildungen der Minox 35 MB vor Augen haben. Bei jeder Erwähnung eines Camerateils ist in dieser Anleitung die entsprechende Bildnummer in Klammern angegeben.

In fetter Schrift gedruckt sind die für die Handhabung der Camera wichtigen Hinweise. Die mager gedruckten Absätze enthalten zusätzliche Informationen.



The Minox 35 PE, too, is a 24 x 36 mm miniature camera with automatic program control, similar in operation to the 35 PL. But it also has a built-in extending computer flash that covers indoor shots up to about 10 ft away. A yellow light in the finder and another one on the camera show when the flash is ready to shoot. The 35 PE is the only Minox 35 that is slightly longer, but still no deeper than the others at 3 cm or 1.2 in. (In this view of the 35 PE the flash is extended.)

THE LENS

The lens of the Minox 35 is the proven 4-element 35 mm Color Minotar f/2.8, made by Minox itself. The short focal length yields exceptional depth of field – which gives you some latitude in setting the subject distance. On the model 35 GT a depth of field ring alongside the distance scale shows the sharp zone at each aperture.

EXPOSURE AUTOMATION

The electronically controlled shutter of the three Minox 35 models yields automatically correct exposures – from 1/500 second to about 30 seconds (at 25 ASA) to match the subject brightness and film speed and – with the 35 GT – the preselected lens aperture. In the 35 PL and 35 PE the automatic control also sets the aperture.

THE BACKLIGHT SWITCH

This switch instantly doubles the exposure – useful when a major portion of the image is significantly lighter than the main subject. Examples are backlit shots or snow scenes.

THE SELFTIMER

The selftimer – electronic in this case – is switched on by a switch on the camera top.

THE FILM SPEED SCALE

You can set the film speed scale on the Minox precisely for every 35 mm film – from 25 to 400 ASA and on the 35 GT even to 800 ASA. Each of the three models takes any commercial 35 mm film cartridge: For colour slides, colour prints or black-and-white, and for 12, 20, 24 or 36 exposures.

So much of the technical features of the Minox 35 cameras. There are useful Minox accessories, too.

THE COMPUTER FLASHES

Minox has two computer flashes to fit the models 35 GT and 35 PL (and also the older models 35 EL and 35 GL). These match the camera's shape and technical features. The small Minox FC 35 is a computer flash with 2 aperture options and metric guide No. 18 (60 in ft) for 100 ASA. The series thyristor model TC 35 has three aperture options and metric Guide No. 26 (85 in ft.) Two or three aperture options mean that you can operate at different apertures – and hence control depth of field – even with flash. The more powerful TC 35 also has a tilting reflector for bounce flash, with auto-

matic aperture and flash range indication, electric battery check, battery economy switching and flash duration control. Needless to say, you can mount any other flash unit with hot shoe contact on the 35 GT and 35 PL.

THE EVER-READY CASES

The ever-ready cases, available from Minox for all three 35 models, are finished in soft black leather with an eyelet at the left and right to take either the wrist strap supplied or the neck strap (available extra).

THE BELT AND WRIST CASE

The elegant belt and wrist case for the 35 GT and 35 PL (and also for the previous models 35 EL and GL) is made of burgundy red Naskapi leather and conveniently carried on the belt or hanging from the wrist.

THE SKYLIGHT FILTER

Combined with a folding lens hood this filter reduces blue cast in subjects lit by blue sky only (for example faces). It also absorbs ultraviolet rays which in UV-rich daylight can impair definition.

THE NEUTRAL DENSITY FILTER

This filter reduces the light to the lens to allow picture taking on ultraspeed film even in bright weather.

THE POCKET TRIPOD

Like any serious camera, the Minox 35 has a tripod thread in the base for mounting on any tripod. That includes the Minox pocket tripod, a stable miniature tripod with built-in cable release. Collapsed this is not much bigger than a pencil. It can stand on any base and also acts as a chestpod for horizontal shots.

Batterie

Die Minox 35 MB ist nur mit eingesetzter Batterie des richtigen Typs funktionsfähig. Geeignet sind Lithium- und Silberoxid-Batterien 6 Volt der Größe PX 28.

Lithium-Batterien sind im allgemeinen länger lager- und funktionsfähig (ca. 5 Jahre) und meist auch bei Frost leistungsfähiger. Dennoch: Bei heftigem Frost Camera unter der Außenkleidung (Mantel, Anorak o. ä.) tragen; Camera mit stark durchgekühlter Batterie vor dem Fotografieren zum Aufwärmen fünf bis zehn Minuten in eine Innentasche stecken.

Beispiele für geeignete Batterien:

Lithiumbatterien

Duracell	PX 28 L
Ucar	L 544 (PX 28 L)
Varta	V 28 PX L

Silberoxidbatterien

Duracell	PX 28
Ucar	544 (PX 28)
Varta	V 28 PX

Batterie einsetzen

Taste (9) drücken. Frontklappe (17) aufklappen.

Frontplatte des Batteriehalters (12) am geriffelten Teil nach oben

Pflege der Camera

Reinigen Sie gelegentlich die Frontlinse des Objektivs (16), die beiden Außenflächen des Suchers (10 und 18) und das gebogene Fenster vor der Siliziumzelle (15) von Staub. Spezielle Hilfsmittel hierfür (zum Beispiel Pinsel, Luftpinsel, Spezialpapier zum Objektivreinigen) sind im Fotohandel erhältlich. Keine flüssigen Reinigungsmittel verwenden.

Fingerabdrücke auf der Frontlinse (16) sollten sofort entfernt werden; sie mindern die Schärfe erheblich.

Achten Sie bei einem Filmwechsel darauf, daß auch die Hinterlinse des Objektivs und der gesamte zugängliche Innenraum der Camera staubfrei und sauber sind.

THE MINOX 35: GT, PL AND PE.



MINOX

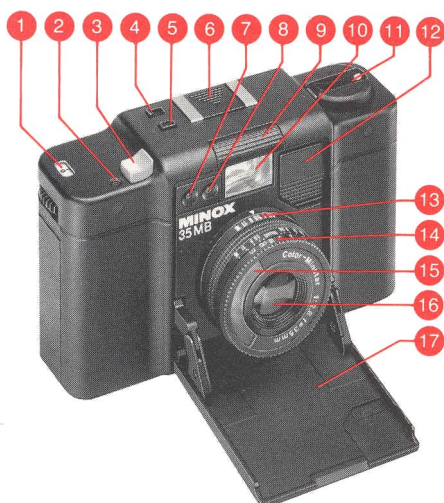
Minox GmbH, Postfach 6020, D-6300 Giessen 1, Federal Republic of Germany

TECHNICAL DATA	MINOX 35 GT	MINOX 35 PL	MINOX 35 PE
FILM SIZE:	24 x 36 mm	24 x 36 mm	24 x 36 mm
LENS:	35 mm Minox Color-Minotar f/2.8 (4 elements), retractable	35 mm Minox Color-Minotar f/2.8 (4 elements), retractable	35 mm Minox Color-Minotar f/2.8 (4 elements), retractable
FOCUSING RANGE:	90 cm (3 ft) to infinity	90 cm (3 ft) to infinity	90 cm (3 ft) to infinity
EXPOSURE AUTOMATION:	Electronic shutter speed automation (1/500 second to about 30 seconds at 25 ASA or 1 second at 800 ASA) with aperture priority (continuous from f/2.8 to f/16)	Automatic electronic program with aperture ring set to A; from 1/500 second at f/16 to 4 seconds at f/2.8 with 100 ASA	Automatic electronic program with aperture ring set to A; from 1/500 second at f/16 to 4 seconds at f/2.8 with 100 ASA
FINDER SIGNALS:	Shutter speed scale, 1/500 to 1/30 second; slow-speed warning, overexposure warning	Slow-speed warning (red)	Slow-speed warning (red), flash ready signal (yellow)
BACKLIGHT SWITCH:	Doubles exposure	Doubles exposure	Doubles exposure
FLASH CONTACT:	Hot shoe for Minox FC 35 (GN 18 or 60), Minox TC 35 (GN 26 or 85) or other flash units	Hot shoe for Minox FC 35 (GN 18 or 60), Minox TC 35 (GN 26 or 85) or other flash units	No contact for external flash; built-in computer flash (GN 14/46)
SHUTTER SPEED FOR FLASH:	1/125 second, switched automatically on fitting flash unit	1/90 second, switched automatically on fitting flash unit	1/90 second, switched automatically when flash ready signal lights
SELFTIMER:	Electronic, 10 seconds delay, LED signal	Electronic, 12 seconds delay, LED signal	Electronic, 12 seconds delay, LED signal
BATTERY:	1 Varta V 27 PX, Ucar EPX 27, Duracell PX 27 or equivalent	1 Varta V 27 PX, Ucar EPX 27, Duracell PX 27 or equivalent	1 Varta V 27 PX, Ucar EPX 27, Duracell PX 27 or equivalent as main battery plus 1 size AA 1.5 V. alkaline manganese batt. for flash
BATTERY CHECK:	Test button, pointer indication in finder	Test button, LED signal in camera top	Test button, LED signal in camera top
CAMERA BODY:	Glass fibre reinforced matt black Makrolon	Glass fibre reinforced matt black Makrolon	Glass fibre reinforced matt black Makrolon
SIZE (width x height x depth):	10 x 6.1 x 3.1 cm (3.9 x 2.4 x 1.2 in.)	10 x 6.1 x 3.1 cm (3.9 x 2.4 x 1.2 in.)	13.7 x 6.1 x 3.1 cm (5.4 x 2.4 x 1.2 in.)
WEIGHT:	Approx. 190 g (200 g with battery)	Approx. 190 g (200 g with battery)	Approx. 210 g (234 g with batt.)

MANUFACTURER: MINOX GmbH, D-6300 Giessen 1, Federal Republic of Germany



MINOX
35 ML

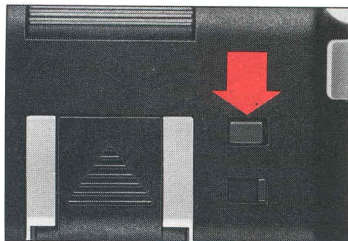


3

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4



Batterietest

Taste (9) drücken, Frontklappe (17) öffnen, Filmtransporthebel (20) ein- bis zweimal bis zum endgültigen Stop betätigen, durch den Sucher blicken.

Batterietestknopf (5) niederdrücken.

Roter Lichtpunkt unter dem Buchstaben BC (Battery Check/Batteriekontrolle) im Sucher brennt mehrere Sekunden lang gleichmäßig hell: Batterie in Ordnung.

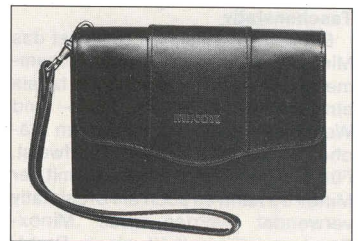
Rotes Licht brennt nicht: Keine Batterie in der Camera oder Batterie leer oder Batterie falsch gepolt eingesetzt.

Rotes Licht wird nach 2 bis 3 Sekunden deutlich dunkler: Batterie

Gürtel- und Handgelenktasche

Diese modisch-elegante Tasche wird in bester Feintäschnerarbeit aus feinstem, burgundrotem Naskapisoft-Leder hergestellt. Mit einer gewohnten Camera-Bereitschaftstasche hat sie keine Ähnlichkeit. Sie paßt am besten zu einer eleganten oder sportlich-legeren Freizeitkleidung und kann auf zwei verschiedene Arten getragen werden: am Handgelenk oder am Gürtel (bis 4 cm Breite). Verwendet man sie als Gürteltasche, nimmt man die mit einem messingfarbenen Karabinerhaken befestigte lederne Handgelenkschlaufe ab.

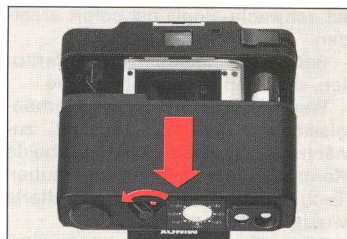
Zum Fotografieren wird die Minox 35 aus der Tasche herausgenommen. Ihre Seitenteile sind so raffiniert geschnitten, daß sich die geschlossene Tasche eng an die Minox



anschmiegt, die geöffnete Tasche jedoch den Fingern reichlich Platz bietet, die Camera von beiden Seiten fest und sicher zu greifen.

Film einlegen

Film nicht in greller Sonne wechseln; notfalls im Schatten des eigenen Körpers.



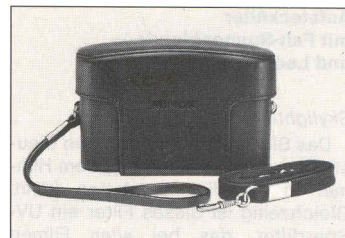
Verriegelungshebel (25) an der Unterseite umschwenken, so daß in der Vertiefung ein roter Punkt sichtbar wird; Rückwand nach unten abziehen.

Bereitschaftstasche

Die schwarzlederne Bereitschaftstasche ist der Minox 35 so eng auf den Leib geschneidert, daß sie nicht stärker aufträgt als ein weicher Reißverschlußbeutel, Sie aber viel schneller zum „Schuß“ kommen läßt.

Die Bereitschaftstasche hat rechts und links je eine Öse; die mitgelieferte Handgelenkschlaufe können Sie also an der Seite befestigen, die Ihnen für die Handhabung bequemer erscheint. Der 90 cm lange Hals-Trageriemen (er gehört nicht zum Lieferumfang der Tasche, ist aber als Wahlzubehör erhältlich) wird in beide Ösen eingehängt, wenn Sie die Camera vor der Brust tragen möchten.

Das Oberteil der Bereitschaftstasche kann ganz abgenommen werden. So können Sie, beispielsweise



auf einem Foto-Spaziergang, die Minox 35 im Unterteil der Bereitschaftstasche mit dem Hals-Trageriemen stets schußbereit vor der Brust tragen und dabei die Frontklappe der Camera geöffnet und die Filter-Blenden-Kombination aufgesetzt lassen (siehe Bild auf der nächsten Seite).

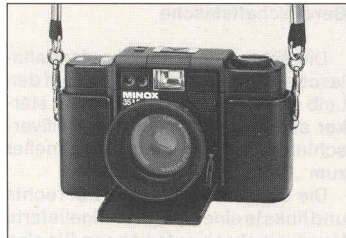
**Aufsteckfilter
mit Falt-Sonnenblende
und Lederetui**

Skylightfilter

Das Skylightfilter dämpft den Blau-
stich, der bei strahlend blauem Him-
mel in Farbdias entstehen kann.
Gleichzeitig ist dieses Filter ein UV-
Sperrfilter, das bei *allen* Filmen
Unschärfen durch einen hohen Ultra-
violettanteil des Tageslichtes verhin-
dert.

Graufilter 4 x

Dieses Filter wird für höchstemp-
findliche Filme (27 DIN/ASA 400 und
mehr) bei hellem Tageslicht benötigt,
wenn sogar die 1/500 Sekunde bei
Blende 16 zu Überbelichtungen füh-
ren würde.



ist schwach; möglichst sofort erset-
zen.

Batterietest gelegentlich wiederho-
len, vor allem bei älterer Batterie.

Wenn eine Batterie nach unverhält-
nismäßig kurzer Zeit ausfällt, zu-
nächst Batterie herausnehmen, beide
Kontaktflächen mit einem rauhen
Tuch kräftig abreiben und die Batterie
wieder einsetzen.

Eine verbrauchte oder durch natür-
liche Alterung unbrauchbar gewor-
dene Batterie entfernen Sie bitte
sofort aus der Camera.

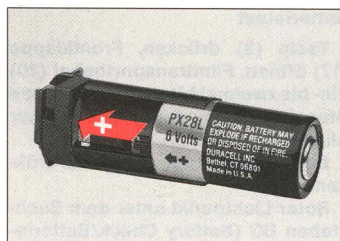
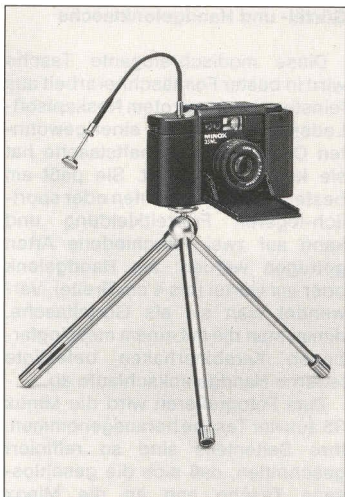
Wenn Sie die Camera längere Zeit
nicht benutzen, ist es ratsam, die Bat-
terie so lange herauszunehmen.

Taschenstativ

Ein sehr praktisches Stativ ist das Minox-Taschenstativ, das zusammengesteckt nicht viel größer ist als ein Bleistift, aber als Tisch- und Wandstativ auch auf unebenen Flächen eine hohe Stabilität aufweist. Für querformatige Aufnahmen mit der Minox 35 kann es auch als Bruststativ verwendet werden. Das Minox-Taschenstativ enthält einen Drahtauslöser.

Das Schraubgewinde des Stativs schrauben Sie in das Muttergewinde an der Unterseite der Camera ein. Camera nicht fest auf das Gewinde des Stativs aufschrauben, sondern Gewindeteller des Stativs gegen das Cameragehäuse anziehen.

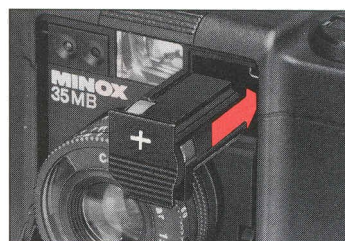
Drahtauslöser in die Gewindebohrung (2) rechts neben dem Auslöseknopf einschrauben.



schieben und loslassen. Batteriehalter mit der Hand ganz herausziehen.

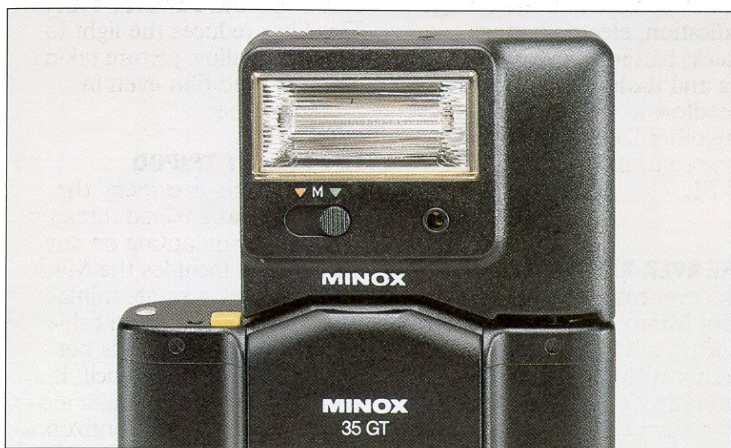
Beide Kontaktflächen der Batterie mit einem Lappen abreiben. Batterie mit dem Pluspol (+) voran in den Batteriehalter einschieben.

Batteriehalter mit Batterie in die Camera schieben und einrasten lassen.



Batterietest (nächste Seite) ausführen.

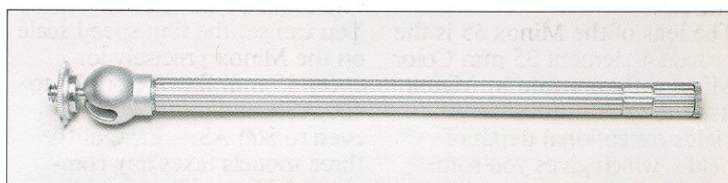
Ein knackendes Geräusch beim Drücken des Auslösers ist *kein* Hinweis auf einwandfreie Funktion des elektronisch gesteuerten Verschlusses. Darum Batterie testen.



The Minox FC 35 computer flash



The Minox TC 35 series thyristor flash



The pocket tripod



The ever-ready cases



The Skylight filter



The belt and wrist pouch

Die neue Minox.



Minox 35 ML. Die kleine 24x36-Camera

Seit eh und je baut man bei Minox Cameras, die in punkto Kleinheit und Präzision offenbar unschlagbar sind. Leuchtende Beispiele sind die Kleinbildcameras von Minox: Die Minox 35 GT, die Minox 35 PL und die Minox 35 PE. Wovon die beiden ersten sogar den Weltrekord im Kleinsein halten. So weit, so gut.

Aber es kommt noch besser: Die Minox 35 ML. Ihres Zeichens das neue Flaggschiff unter den 24x36-Cameras von Minox.

Auf den ersten Blick besehen, fügt sich die Minox 35 ML nahtlos in das Familienbild ihrer Schwestern ein. Sie ist sehr kompakt (32x62x100 mm klein), und auch sie fällt zunächst nur durch ihr matt-schwarzes Understatement auf.

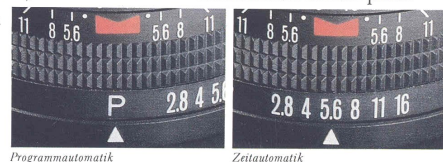
Aber auf den zweiten Blick ändert sich der Eindruck. Denn die neue Minox 35 ML hat – unter anderem – ein neues Design. Sie ist ein klein wenig kantiger, man könnte sagen „etwas technischer“, auf jeden Fall deutlich moderner. Doch wie bei jeder Minox gehört das Aussehen zu den Äußerlichkeiten; was wirklich zählt, ist die innere Größe.

Bevor wir zu den Besonderheiten der Minox 35 ML kommen, einige Bemerkungen von eher grundsätzlicher Natur. Dreh- und Angelpunkt beim Fotografieren ist natürlich das Objektiv. Und da hat sich Minox nicht lumpen lassen. Denn erstens stellt Minox das Objektiv der Minox 35 ML höchstpersönlich her, zwei-

tens kann man das Minox Color-Minotar 2,8/35 getrost unter die Kategorie „Scharfmacher“ einreihen.

Daß die Minox 35 ML auch ansonsten eine ganz außergewöhnliche Camera ist, beweist zum Beispiel ihre „Zweifach-Belichtungsautomatik“. Sollte Ihnen an dieser Stelle keine andere Kleinbild-Suchercamera einfallen, die ähnliches zu bieten hat, geht es Ihnen übrigens wie uns.

Die Zweifach-Belichtungsautomatik sorgt dafür, daß Sie in zweifacher Hinsicht Spaß am Fotografieren haben. Einmal können Sie die Minox 35 ML einfach auf „P“ wie „Programmautomatik“ stellen. Dann brauchen Sie sich weder um Blende noch Belichtungszeit zu kümmern, Sie können Ihre ganze – geschätzte – Aufmerksamkeit auf das Motiv konzentrieren. Sollte sich Ihre Aufmerksamkeit jedoch eher bestimmten Blenden und Schärfentiefebereichen widmen, dann steht die „Zeitautomatik“ mit Blendenvorwahl parat.



Sie können also ganz nach Lust und Laune und nach jeweiligem Motiv fotografieren. Die Minox macht alles mit.

Ein besonderer Lichtblick bei der Minox 35 ML ist ihr Sucher mit Leuchtdiodenanzeigen (deren Helligkeit – man kann's kaum glauben – auf die Außenhel-

“AND ARE THERE DIFFERENT VERSIONS OF THIS AMAZING TINY CAMERA?”

“YES – THREE MINOX 35s!”



Ever since Minox started making 24 x 36 mm miniature cameras, it made the world's smallest models. They are small enough and flat enough (just 3 cm) to fit in any shirt or trouser pocket or handbag. That way you always have the camera at hand whenever you come across an interesting subject. A secret of this compactness is the front cover which also protects the lens, switches off the electronic circuit and blocks the release.



**“DOES THAT INCLUDE ONE
WHERE YOU CAN CONTROL
DEPTH OF FIELD AND
EXPOSURE TIME
YOURSELF?”**

“YES, THE MINOX 35 GT!”

**“AND IS THERE ONE WHERE
YOU DON’T HAVE TO WORRY
OVER APERTURE OR
EXPOSURE TIME?”**

“YES, THE MINOX 35 PL!”



The Minox 35 GT is a 24 x 36 mm miniature camera (and the world's smallest) with automatic exposure control (aperture priority) and shutter speed indication in the finder. It is ideal for the advanced amateur who even with exposure automation wants to keep control of the aperture, depth of field and indirectly of the shutter speed. On the 35 GT the depth of field scale indicates the zone of sharp focus. The finder displays exposure times. Any flash unit with hot shoe foot fits the Minox 35 GT. Specially matched to the body and camera operation are the miniature Minox FC 35 flash (metric guide No. 18 or 60 in ft with 100 ASA) and the TC 35 series thyristor flash (metric guide No. 26, or 85 in ft).



All three models have special technical features that you would hardly expect in this size: A four-element 35 mm Color-Minotar f/2.8 lens (made by Minox in Germany), automatic exposure control, back-light switch to double the exposure when shooting into the light, electronic selftimer – and more, to be described in the technical section.

mit den großen technischen Feinessen.

lichkeit abgestimmt wird). Diese Leuchtdioden zeigen, ob Sie mit der Programmautomatik fotografieren, mit welcher Zeit die Zeitautomatik gerade arbeitet, ob Sie bei einer bestimmten Blende überbelichten würden oder ob die Gefahr des Verwackelns besteht.



Ohne Meßwerterspeicherung: Unterbelichtet! Mit Meßwerterspeicherung: Richtig belichtet!

Mit Verlaub, die Meßwerterspeicherung der Minox 35 ML ist ein technischer Leckerbissen spezieller Art. Es genügt nämlich ein leichtes Antippen des großen, griffigen Auslöseknopfs und schon ist die Belichtung gespeichert. Sie können dann in Ruhe Ihr Motiv anvisieren (Mann auf Schnee zum Beispiel), den Auslöser etwas weiter herunterdrücken und – klick – schon haben Sie ein perfekt belichtetes Foto. Herzlichen Glückwunsch.

Oder Sie benutzen den Gegenlichtschalter der Minox 35 ML. Der ist zwar nicht neu, aber ebenfalls sehr praktisch. Ganz neu dagegen ist die „mittenbetonte Meßcharakteristik“ der Siliziumzelle. Sie sehen, Minox hat keine Mühen gescheut.

Natürlich wissen wir, daß Sie ohne Schwierigkeiten einen Kleinbilddfilm einlegen können. Aber vielleicht ist es doch gut zu wissen, daß man auch in der Hitze des Foto-Gefechtes keinen Fehler macht, weil die Minox 35 ML eine sogenannte „Film-

fangvorrichtung“ an der Aufwickelspule hat. Sollte sich die Minox 35 ML auf diese Weise mal einen höchstempfindlichen ISO 1600/33°-Film fangen, ist das übrigens auch kein Problem. Die Filmempfindlichkeitseinstellung reicht von ISO 25/15° bis ISO 1600/33°. – Was es sonst noch gibt?

Einen elektronischen Selbstauslöser zum Beispiel. Einen Drahtauslöseranschluß. Ein Stativgewinde. Und interessantes Zubehör.

Besonders die drei Computer-Blitzgeräte zur Minox 35 ML. Sie sind nicht nur ausgesprochen leistungsstark (LZ 18 bis LZ 26 bei ISO 100/21°), sondern passen sich auch ausgesprochen stark dem Design der Minox 35 ML an.

Die technischen Daten der Minox 35 ML.

Maße: 32 x 62 x 100 mm.
Gewicht: ca. 180 Gramm (mit Batterie).
Negativformat: 24x36 mm (Kleinbildpatrone).
Vierlinser-Objektiv Color-Minotar 1: 2,8/35 mm.
Entfernungseinstellung von 90 cm bis Unendlich.
Elektronische Belichtungssteuerung mit zwei Betriebsarten: Zeitautomatik mit manueller Blendenvorwahl von 2,8 bis 16, elektronischer Verschluss von 1/500 s bis ca. 1 s bei ISO 200/21°.
Programmautomatik mit Zeit-/Blendensteuerung.
Leuchtdiodenanzeigen im Sucher für Programmautomatik, Belichtungszeiten, Überbelichtungswarnung und Langzeitwarnung.
Meßwerterspeicher durch Antippen des Auslöseknopfs.
Gegenlichtschalter zur Verdoppelung der Belichtungszeit.
Filmempfindlichkeitsskala mit Einstellbereich von ISO 25/15° bis ISO 1600/33°.
Elektronischer Selbstauslöser mit ca. 10 s Vorlaufzeit.
Blitzschuh mit Mittenkontakt und automatischer Verschlussumschaltung auf 1/125 s.
Energiequelle: Lithium- oder Silberoxid-Batterie PX 28, 6 Volt.
Batterietest.
Drahtauslöseranschluß.
Stativgewinde.
Aufwickelspule mit Filmfangvorrichtung.
Gehäuse: glasfaserverstärktes Makrolon.
Farbe: mattschwarz.
Hersteller: MINOX GmbH Giessen.

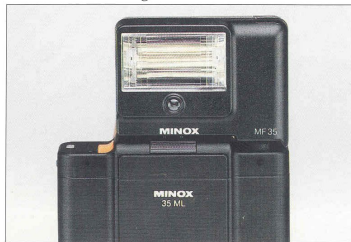
Minox 35 ML. Das Zubehör.



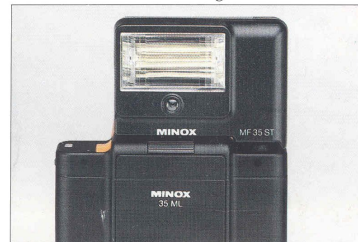
Gürtel- und Handgelenktsche.



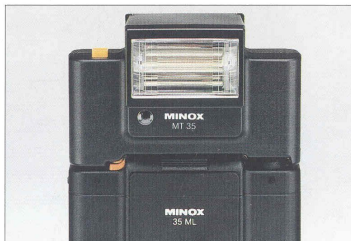
Bereitschaftstasche und Trageriemen.



Minox MF 35.



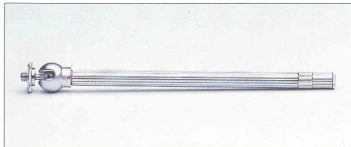
Minox MF 35 ST.



Minox MT 35.



Skylight- und Graufilter mit Etui.



Minox-Taschenstativ mit Drahtauslöser.

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For more information, write: Rollei of America, Inc., Dept. 35D, 100 Lehigh Drive, Fairfield, N.J. 07006

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