

Leica

Anleitung / Instructions / Notice d'utilisation

LEICA mini

We wish you much pleasure and many years of successful photography with your new LEICA® mini. It is the world's first fully-automatic camera with a LEICA Lens. Thanks to its compact design and minimal weight, it can be taken along anywhere as a constant companion. Like every compact camera, the LEICA mini is best suited for photography with color negative (print) films. Easy and fun to use, it is ideal both for memorable snapshots and as a precise photographic notebook. In order for you to enjoy the full spectrum of possibilities the LEICA mini offers, we recommend that you start by reading this instruction booklet.

This instruction booklet was printed on paper bleached without chlorine – an expensive process that preserves the environment, especially natural water resources.

- ① "ON/OFF" switch
- ② Shutter release button
- ③ Sensor for exposure metering
- ④ Viewfinder window
- ⑤ Autofocus sensor system
- ⑥ Mode selector button
- ⑦ Self-timer button
- ⑧ LCD data field (liquid crystal display)
- ⑨ Electronic flash
- ⑩ LEICA ELMAR f/3.5 / 35 mm lens with protective UVa filter
- ⑪ Self-timer symbol and red LED diode
- ⑫ Wriststrap / carrying strap
- ⑬ Film rewind switch (for mid-roll rewind)

Contents

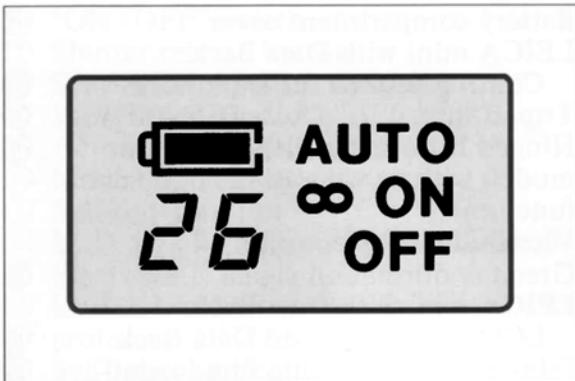
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Brief Description

The LEICA mini is a fully-automatic ultra-compact autofocus 35 mm rangefinder camera with a LEICA lens for quality photographic notes and superb snapshots. Its special features include:

- LEICA ELMAR f/3.5/35 mm lens
- Built-in UVa protection filter
- Autofocus range from 65 cm to infinity
- Infrared autofocus with focus memory
- Fixed infinity setting
- center-weighted integral metering with metering value memory
- built-in flash with short flash intervals
- automatic flash release in poor light
- manual flash override
- long time exposure up to 5 seconds
- automatic film advance and rewind
- automatic film speed setting (DX-coding)
- quartz-controlled, hinged data back depending on model chosen.

Battery compartment cover	(14)
LEICA mini with Data Back:	
Control buttons for Data Back	(15)
Tripod thread 1/4" (A 1/4 DIN 4503)	(16)
Hinged back cover (depending on model, with or without data imprint function)	(17)
Viewfinder eyepiece and	
Green confirmation signal (LED)	(18)
LEICA mini with Data Back:	
LCD-data display on Data Back	(19)
Film window, showing film loaded	(20)
Back over latch	(21)



LCD data display

-  = Battery function symbol
- 26 = Frame counter
- AUTO = automatic flash activation
- ON = manual flash control mode
- OFF = flash-off mode
- ∞ = Infinity setting on lens



Inserting the battery

The LEICA mini is powered by a 3 volt lithium battery. To insert the battery, open the battery compartment cover by pushing in the direction of the arrow. Insert a lithium battery with the minus pole facing forward; close the cover until it clicks shut.

Suitable 3 volt lithium batteries, e.g.:

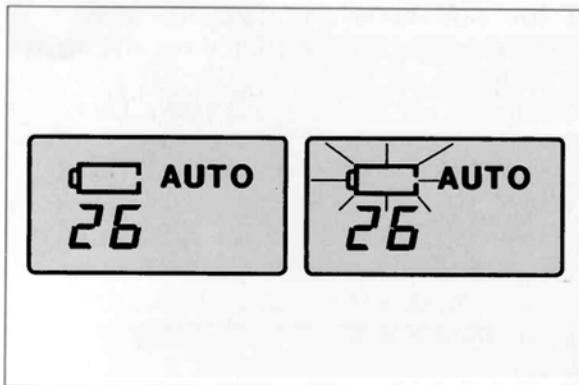
DURACELL	DL123A
KODAK	K123LA
PANASONIC	CR123A
VARTA	CR123A



Checking the battery

Switch on the camera (see p. 44). The lens automatically moves to the "ready" position, extending from its barrel.

If the symbol  appears together with other display symbols, battery power is sufficient. The low battery warning symbol  shows that the battery should be replaced as soon as possible. If no symbols appear or only the low-battery warning  flashes, the battery is flat and must be replaced immediately. In this case, the shutter cannot be released. If the lens does not move into the "ready" position when the "ON/OFF" button is pressed, the battery may be low; inserted incorrectly or missing.



If the symbol  flashes, or if no display is shown, it could be that the battery contacts are oxidized or soiled. They can be cleaned with a clean, dry, lint-free cloth. If the battery is partly discharged, the symbol  may also appear after a series of exposures in close succession. Before further exposures, pause briefly for the battery to recover.

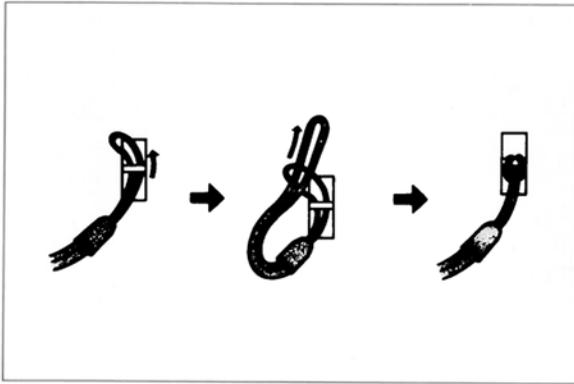
If the camera is not used for approx. 5 minutes after being switched on, the power is switched off automatically. In addition, the lens retracts into its barrel. This preserves battery life.

Note: Cold reduces battery performance. In addition, the film becomes stiffer, making film advance more difficult. At low temperatures, carry your LEICA mini in an inside pocket and use fresh batteries.

Changing the battery

If there is a film in the camera, insert a new battery immediately after removing the old. If the camera is left without battery power for more than 10 minutes, the frame counter in the LCD data display resets to "1" when you insert a new battery, regardless of the number of pictures taken.

Note: Keep battery contacts clean. Do not dispose of used batteries by throwing them into an open fire; do not recharge, open, short, disassemble or heat. Do not dispose of used batteries in normal household waste (trash), since they contain toxic wastes that are dangerous to the environment. Return them to your supplier or hand them in for recycling; alternatively take them to special waste collection points.



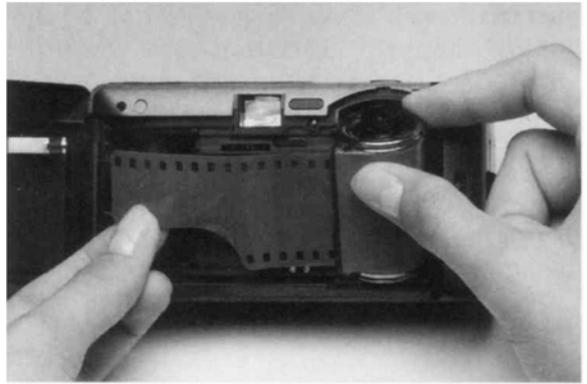
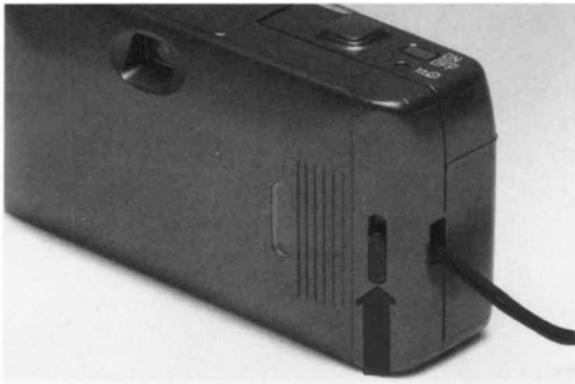
Attaching the carrying / wriststrap

Switching on the camera

For taking pictures, the camera must be switched on first. Press the power ("ON/OFF") switch briefly. The lens extends to the "ready" position, and the LCD displays appear. When the camera is switched off again, all displays disappear and the lens returns to the transport position.



Generally, no lasting damage to the lens motor mechanism occurs when the lens movement out of its barrel is impaired, e. g. when the camera is still inside your pocket or when it is held against a window with the lens pushed back into the barrel. However, the autofocus will not function in these cases.



Inserting the film

1. Unlatch and open the back cover (17) by moving the sliding latch (21) upward. If there is a film in the camera, ensure that it is rewound before opening the back cover, i. e. that the frame counter is at "0". Otherwise light will fall on the exposed film.

2. Insert the film cartridge into the film chamber as shown. The guide pin in the camera must fit into the corresponding socket on the film cartridge base.

Note: Never load or remove film in bright light. To prevent light falling onto the film, load or remove it in your body's shadow.

3. Ensure the film is laid flat between the film guides, with tongue covering the take-up spool – stopping short of the yellow marking on the inner surface of the camera.

If you have pulled out too much film, carefully wind it back into the cartridge by turning. Ensure that the film is positioned surface flush in the film chamber, with the film guide notches underneath the viewfinder eyepiece visible through the film perforations.



4. Close the camera back and switch on the camera. The film advances automatically to the first frame. The camera is ready for the first exposure when the frame counter is at "1". If the frame counter displays "0", the film is not loaded properly. Reopen the camera back, remove the film and re-insert it as described under 2-4 above.

Suitable 35 mm films:

With the following DX-coded 35 mm films (package and cartridge are marked "DX"), the LEICA mini automatically sets the correct film speed, as follows:

Film speed in ISO		Setting		at ISO
50 / 18°	64 / 19°	80 / 20°		50 / 18°
100 / 21°	125 / 22°	160 / 23°		100 / 21°
200 / 24°	250 / 25°	320 / 26°		200 / 24°
400 / 27°	500 / 28°	640 / 29°		400 / 27°
800 / 30°	1000 / 31°	and with		
		higher film speeds		1000 / 31°

With emulsions slower than ISO 50 / 18°, and if the film is not DX-coded, the camera is automatically set to ISO 100 / 21°. Color negative (print) films with speeds of up to ISO 3200 / 36° can also be used on account of their wide exposure range. Film cartridges for 72 exposures cannot be used.



Holding the camera

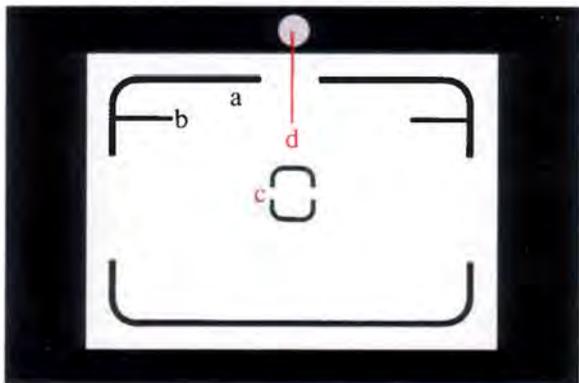
To avoid camera shake, hold your LEICA mini as shown in the photographs. Also check that the lens, flash, autofocus sensors and exposure meter window are not inadvertently covered by your hand, the carrying strap etc.

For upright format photographs, ensure that the flash is always at the top, since lighting from above produces a more natural impression.

For upright format photographs, it is advisable to use the thumb to press the exposure release button. This prevents camera shake.







Viewfinder display

a: Viewfinder frame:

The bright frame visible in the viewfinder shows the picture composed by the lens. When negatives are enlarged or slides mounted, the picture area may in effect be slightly trimmed.

b: Close-up markings:

For close-ups in the 0.65 m to 1 m range, the frame is shifted downward slightly. This shift is defined by close-up markings and the bottom edge of the viewfinder image below the viewfinder frame.

c: Autofocus frame:

Point the camera so that the main subject is within this frame. It need not fill it.

d: Green confirmation symbol (diode):

If the confirmation symbol lights up when the shutter release is pressed lightly, this indicates that focusing and exposure metering values have been stored. In the automatic flash modes settings (AUTO and ON), it also indicates flash readiness. Should the flash not be ready (in the AUTO and ON settings), the shutter release cannot be activated. Wait a few seconds, then press the shutter release lightly. Now the green "OK" symbol lights up and the camera is ready for exposure.

For flash mode, please note the flash range (see page 51).

If the green confirmation symbol flashes quickly, the subject is too close (between 35 cm and 65 cm). In order for correct focus, the distance between the camera and the subject must be increased.

If the green confirmation symbol flashes slowly, (with flash set to "OFF"), there is danger of camera shake because the exposure time is longer than $1/30$ s.

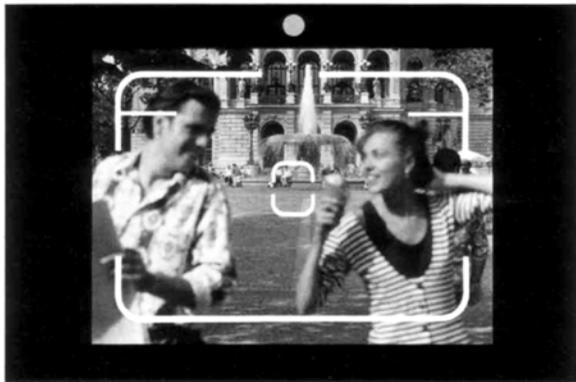
If the green confirmation symbol disappears while the flash is set to "OFF" (manual flash control), there is insufficient light for automatic exposure (exposure times of more than $1/5$ sec.) and the automatic exposure control is set to "B". In this case, the shutter remains open for as long as the shutter release button is pressed down. This enables exposures of up to 5 seconds.

Taking pictures

For photographs with the main subject in the image center:

The camera measures the focusing distance inside the autofocus frame. To prevent blurred pictures, always ensure that the main subject or parts thereof are inside this frame. Holding the camera to the eye, point it at the subject so that the main parts, i. e. those that must be in focus, are inside the autofocus frame. Now press the shutter release button (2) lightly, (to pressure point).

As soon as the green confirmation ("ready") symbol appears in the viewfinder, press the shutter release button fully home for exposure to take place. After exposure, the camera automatically advances the film to the next frame and the frame counter increases the count by one.



Focus and exposure metering memory

For photographs where the main subject is off-center:

If the subject that is to be sharply focused lies outside the autofocus frame, the focus memory facility should be used.



Holding the camera to the eye, point it at the subject so that the main parts, i. e. those that must be in focus, are inside the autofocus frame. Now press the shutter release button lightly, (tp pressure point). The green confirmation symbol appears in the viewfinder to show that the focus reading has been stored.



Keeping the shutter release button pressed down lightly, compose your picture as you wish. When ready, press the shutter release button fully home for exposure.

When the shutter release button is depressed lightly (pressure point), the camera stores both the correct focus and the exposure time for the main subject.

The focus/exposure metering memory is cancelled as soon as you remove your finger from the shutter release button.

Important: Storing a focused distance is also useful with difficult autofocus subjects such as:

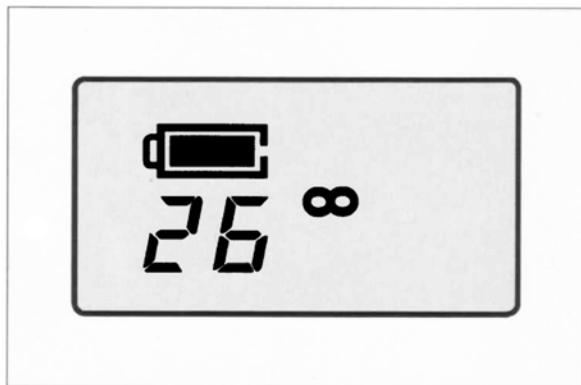
- bright light sources, such as floodlights.
- very shiny surfaces and strong reflections, such as water, mirrors, brightly polished surfaces of a motor car etc.
- bright transparent objects, such as flames, fireworks and hair.
- dark objects and low-reflective surfaces
- objects behind glass, such as windows and showcases.

In this type of situation, focus on an alternative object that is at the same distance and similarly lit. Storing the focus setting as described, you are now able to take your picture successfully. For photographs with long focusing distances through windows, (e. g. from a motor car) or for long-distance landscape photographs, it is advisable to manually set the lens to infinity („∞“ mode).

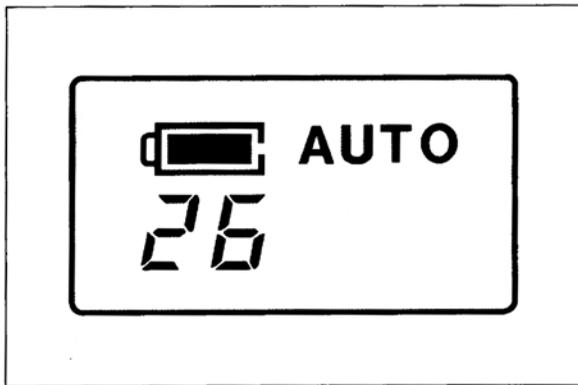


The fixed infinity setting:

Press the mode control button three times until the symbol "∞" appears in the display. The lens is now set to infinity for the next exposure. After this picture has been taken, the camera automatically resets to the "AUTO" mode.



Note: To take several pictures consecutively in the infinity setting, the mode control button must be held down after pressing it 3 times for approximately 3 seconds until "∞" flashes. To cancel and return to "AUTO", press the mode control button once more. When the camera is switched off and subsequently switched on again, it is automatically set to the automatic program mode "AUTO".



Taking pictures with the automatic flash

The LEICA mini has a built-in flash. Depending on the mode chosen, it is activated automatically or can be controlled manually via override.

Automatic flash

When switched on, the LEICA mini is set to the automatic program mode "AUTO". In this mode, the flash is automatically activated in poor light, when long hand-held exposures are likely to lead to camera shake, e.g. in dark interiors and in twilight.

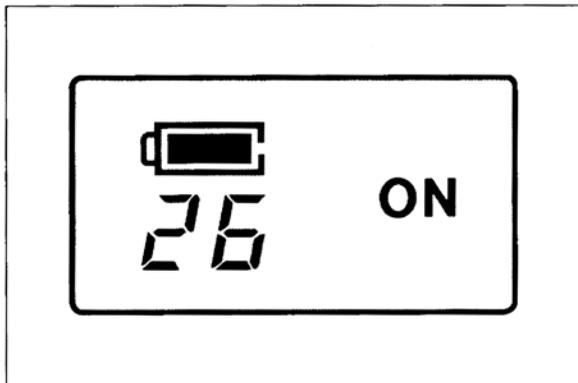
- The symbol "AUTO" appears in the display.

- The green confirmation symbol (18) lights up at light pressure on the exposure release button when the flash is charged. The green confirmation symbol flashes rapidly until the flash is fully reloaded. While the flash is loading, the shutter release is blocked (see also viewfinder display).

The available flash range depends on the film speed. For best results, ensure that your main subject is within the flash range as shown below.

ISO / DIN film speed	Flash range *		
50 / 18°	64 / 19°	80 / 20°	0.65 - 2.8 m
100 / 21°	125 / 22°	160 / 23°	0.65 - 4.0 m
200 / 24°	250 / 25°	320 / 26°	0.65 - 5.6 m
400 / 27°	500 / 28°	640 / 29°	0.65 - 8.0 m
800 / 30°	1000 / 31°	1250 / 32°	1.00 - 11.0 m
1600 / 33°	2000 / 34°	2500 / 35°	1.50 - 16.0 m
3200 / 36°			2.00 - 18.0 m

*) These specifications refer to color negative (print) film. With positive (slide) films, there is a reduction in range.



Taking pictures with manual flash control (override)

It is possible to activate or switch off the automatic flash through two override functions:

Manual flash override on

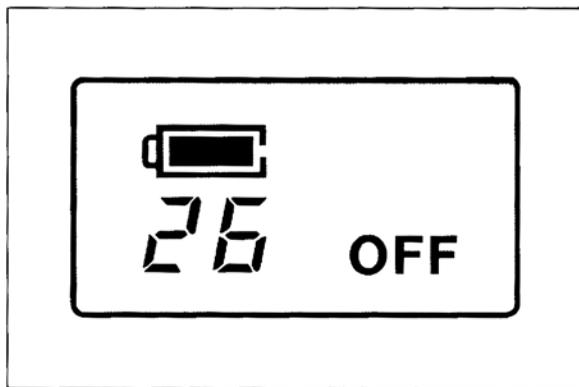
Activating the flash manually is recommended when taking photographs against the sun (backlit photography) or for pictures with extreme contrast (for instance when the subject is in shade). Also, the use of flash often helps to avoid the greenish hue that occurs when slides are taken in fluorescent light. To activate the flash manually, irrespective of light conditions, press the mode control button (6) once.

- the flash override "ON" symbol appears in the viewfinder.
- the green confirmation symbol lights up upon light pressure on the exposure release button when the flash is ready.
- the green confirmation symbol flashes rapidly and the exposure release button is blocked when the flash is not ready (see also "Viewfinder display on p. 46).
- if the green confirmation symbol flashes, this indicates risk of camera shake because the automatic exposure time is set at longer than $1/30$ second. In this case, steady the camera against or on an unmoving object, or use a tripod. To prevent camera shake when taking photographs with a tripod, it is advisable to use the self timer.

The mode control remains set to "ON" until the camera is switched off or another mode is selected.

When the camera is switched off and subsequently switched on again, it is automatically set to the automatic program mode "AUTO".

Important: Check that main subject is within the correct flash range (see p. 51). Using the flash for portrait photographs can result in so-called "red-eyes". This is due to the retina of the eye reflecting flash light directly back to the camera. To avoid this, the subject(s) should not be looking directly at the camera. Red eyes are more likely in poor light, when the pupils are wide open. When taking pictures indoors, it is therefore advisable to add as much normal room lighting as available.



Flash off

By pressing the mode control button (6) twice, the automatic flash activation is switched off. The symbol "OFF" appears in the display. In this mode, it is possible to photograph an evening scene, take a moody indoor snapshot or take pictures inside a museum where the use of a flash is prohibited.

Important: If the green confirmation symbol (18) blinks slowly when the exposure release button is pressed half-way, this indicates risk of camera shake (exposure times longer than $\frac{1}{30}$ s). In this case, it is advisable to steady the camera or attach it to a tripod via the tripod thread (16).

If the green confirmation LED disappears, the camera automatically switches to the long exposure time setting ("B"). In this mode the shutter remains open for as long as the shutter release button is pressed down. Long exposure times of up to 5 seconds max. are possible. Remember to steady the camera or use a tripod.

To prevent camera shake when taking photographs with a tripod, it is advisable to use the self timer.

The mode control remains set to "OFF" until the camera is switched off or another mode is selected.

When the camera is switched off and subsequently switched on again, it is automatically set to the universal program mode "AUTO".



Self timer

By pressing the self-timer selector button (7) below the display window on the top of the camera, the self-timer is activated, delaying the release of the shutter by approximately 10 seconds. During the countdown, the red LED (11) on the front of the camera lights up as follows:

7 seconds: constant

2 seconds: blinking

1 second: constant

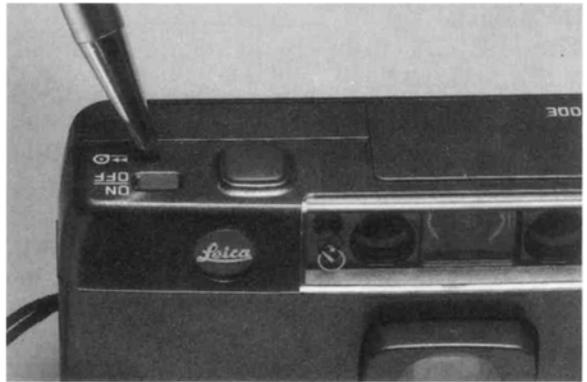
The shutter release follows.

To cancel the self-timer, press the self-timer selector button once more or switch off the camera.

Automatic film rewind

The camera automatically rewinds the film after the final exposure. The frame counter counts in reverse. When the film has been rewound fully into its cartridge, the motor drive stops and a flashing "0" symbol appears in the display. You can now safely open the camera back and remove the film cartridge.

Caution: If the motor stops without the flashing "0" symbol appearing in the display, the battery must be replaced. Do not open the camera back, because light falling on the partially rewound film will spoil it. After inserting a fresh battery, the film rewind must be activated manually.



Rewinding a partly exposed film

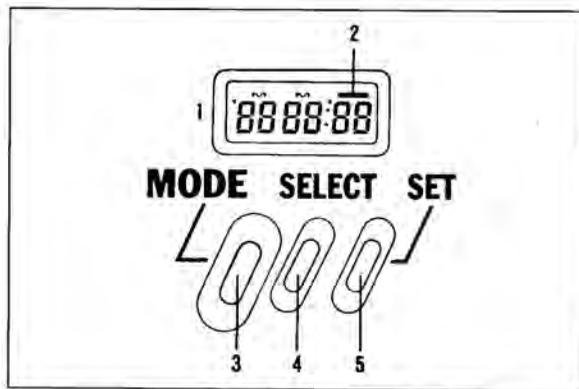
You can activate the motor winder to rewind a partly exposed film - e.g. for developing a partly exposed film. Simply press the rewind button (marked ) situated the top of the camera next to the shutter release button. Use a ballpoint pen or similar object.

Data Back

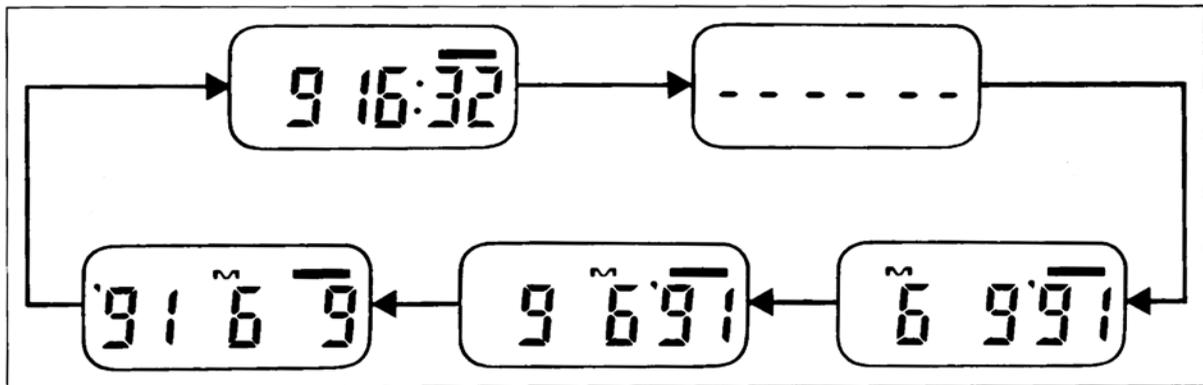
The LEICA mini is available with or without Data Back.

With the quartz-controlled Data Back, the date (day, month, year - in three selectable sequences), or the time (day, hour, minute) can be imprinted the film at the moment of exposure. The automatic calendar extends to the year 2019. The date or time can be read in the lower right corner of the photograph. Imprinting the data is controlled by the LEICA mini's automatic film speed setting (DX-setting). The Data Back comes with a battery already inserted.

- 1 LCD - Data Back display.
- 2 Display for marking the film flashes for approximately 2s. after successful data imprinting.
- 3 **MODE**
Push button for setting the data display and for switching off data imprinting. Every time the button is pushed, the display changes in sequence (see schematic diagram on page 57). The month is marked with the letter "M". The dashes (-- -- --) visible in the display when the data imprint mode is set to off, are not imprinted on the film.



- 4 **SELECT**
Push button for selecting the individual-data to be set.
- 5 **SET**
Push button for setting the individual data. By pushing briefly, this changes by one value in ascending order. Holding the button down longer causes the values to change quickly.



Setting the data

By pushing the SELECT button, you can select that part of the display to be set. The display for "imprinting" disappears and the display part selected flashes. In the data display, pushing the button the first time selects the 'year' display; pushing again selects the 'month' and once more sets the 'day' display.

In the time display, the 'hour' is set first, followed by 'minutes'. When pushed again, the colon between 'hour' and 'minutes' blinks. The blinking data are set by pushing the button "SET". If the colon blinks in the time display, pushing the "SET" button sets the clock to "zero seconds".

Pressing the button "SELECT" for the fourth time concludes the setting procedure and the display symbol for 'imprinting' lights up again.

Imprinting data

By pressing the MODE button, you can select the desired date- or time display. The approximate position and size of the imprinted data can be seen on the photograph shown on page 58. This can vary depending on where the film is developed. Intensity control for correct imprinting of the data is carried out via the LEICA mini's automatic film speed setting (DX-setting). The data are imprinted on the film from



behind by means of an LCD element.

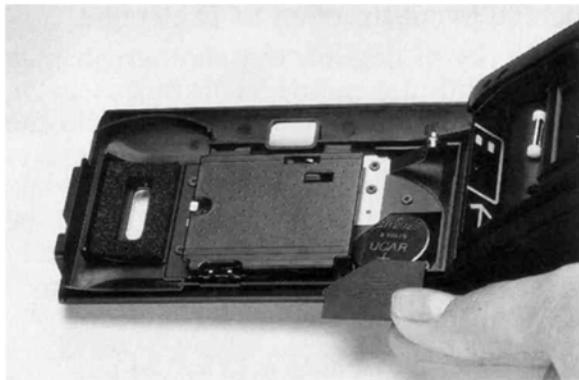
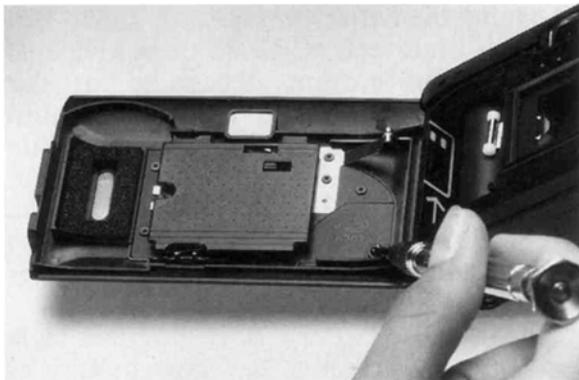
Legibility of data on the photograph may vary slightly depending on the film used. On some low-speed films such as Kodachrome 64, the data are sometimes very faint or not visible at all. On dark subjects, the data appear red to orange, on lighter subjects, orange to yellow. For this reason imprinted data are sometimes barely legible in bright, orange-tinted or very "busy" areas of the photograph.

After imprinting, the display will flash for approximately 2 seconds.

Changing the batteries

A 3 V lithium cell (CR2025 or equivalent) supplies the current necessary for the quartz-controlled clock, the LCD (liquid crystal display) and imprinting. The Data Back comes with a battery already inserted. If the display in the LCD data becomes weak or difficult to read, this indicates that the battery current is no longer sufficient for marking the film.

To change the battery, open the data back (see page 60), remove the used battery as shown in the diagram and insert a fresh one:



- Loosen screw using a screwdriver and open the battery compartment cover.
- Remove used battery and insert a fresh one with the plus (+) pole facing up.
- Replace battery compartment cover and press down until it clicks closed.
- Using a screwdriver, fasten the screw.
- Reset date and time.
- If the battery has been inserted incorrectly or is already dead, no display will appear. Insert the battery once again; if necessary, wipe the contacts and the battery with a clean, dry cloth and check if the display appears. If not, replace with another fresh battery.

Caution:

Keep battery out of the reach of children.
Keep battery clean,
Do not dispose of used batteries in normal household waste (trash) since they contain toxic pollutants.
To make sure they are recycled, return them to your dealer or special waste disposal points.

Trouble-shooting guide...

Problem	Cause	Solution
Entire image out of focus	<ul style="list-style-type: none">- Camera shake during exposure- Lens barrel mechanically obstructed	<ul style="list-style-type: none">- Hold camera steady and press exposure release gently- Remove obstruction
Main subject out of focus	<ul style="list-style-type: none">- Autofocus sensors obstructed- Subject too close- Main object not inside autofocus frame while focusing- Special autofocus situations e. g. bright light sources in the picture- Subject photographed through window pane, e. g. from a bus or aeroplane- Camera set to infinity	<ul style="list-style-type: none">- Keep hands, carrying-strap etc. away from autofocus sensors- Distance between camera and subject must be at least 65 cm- Use focus memory (see page 48)- Use focus memory on alternative subjects that are at a similar distance (see page 48)- Set lens to infinity (∞) (see page 49, 50)- Change mode (see page 50)
Picture blurred or partially out of focus	<ul style="list-style-type: none">- Stains on protective filter (water drops, finger marks)	<ul style="list-style-type: none">- Clean protective filter (refer to "Tips on the Care of your LEICA mini", p. 62)

Problem	Cause	Solution
Picture too dark or partly too dark	- Lens or flash unit obstructed	- Keep hands, carrying strap etc. away from lens and flash unit
	- Camera / subject distance too great for flash exposures	- Stay within the flash range (see page 54) Use a higher-speed film
Shutter release button blocked	- Camera not switched on	- Switch on camera (see p. 41)
	- Battery dead	- Exchange battery (see p. 38)
	- Battery contacts soiled (oxidized)	- Wipe battery contacts clean (see p. 39)

Tips on the care of your LEICA mini

The LEICA ELMAR 35 mm lens is protected against damage by a protective UVa filter. Use a soft lens brush or a dry, soft, clean cloth (e.g. a clean cotton handkerchief) to remove dust on its surface.

To remove stubborn stains or spots on the protective UVa filter, breathe gently on its surface and immediately wipe it dry with a soft, untextured, lint-free cotton cloth. To

prevent sweat marks on the glass surface, avoid touching the cleaning cloth before use.

Special lens cloths such as those sold for cleaning eyeglasses are not recommended. They often contain chemicals that may damage the filter's optical glass. (The composition of glass used for eyeglass lenses is different from that used in camera lenses or filters.)

Alcohol and other chemical solutions should not be used to clean the camera body. If necessary, clean the camera with a soft, dry cloth.

Do not expose your LEICA mini to hard knocks, heat or moisture.

Extremely low temperatures affect the functioning of your camera. In cold weather, keep your LEICA mini in a warm inside pocket. Avoid abrupt changes of temperature from hot to cold, as these may cause condensation and affect the camera's functions. Should condensation form, this will disappear after a while in warm, dry conditions. To avoid expensive repairs or total loss, do not allow your LEICA mini to become wet. While not in use, keep your LEICA mini in a cool, dry place free from dust and chemicals. Always keep the mode control buttons free from dirt and perspiration. They can be carefully cleaned with a clean, dry cloth. Do not exert excessive pressure on the LCD data field.

The LCD data field has been designed for use in temperatures from approximately 0°C to +40°C (approx. 32°F to 104°F). At lower or higher temperatures, the legibility of the LCD data displayed, may deteriorate. In certain cases, high temperatures may even cause the LCD data field to darken.

Important: The camera contains high-voltage electronic components. Under no circumstances should the camera body be unscrewed or broken open. High voltages can be fatal.

After-sales service

For servicing and repairs to your LEICA mini, the service department of your national Leica Camera agency (refer to your Warranty Card) is at your service. Consult your authorized Leica Camera dealer for assistance.

Technical Data

Type: Ultra-compact, fully automatic 35 mm rangefinder camera with autofocus, automatic program mode and automatic flash.

Lens: LEICA ELMAR f/3.5 / 35 mm (4 lens elements in three groups). UVa protection filter built onto front lens element.

Focusing setting range: From 65 cm to infinity. Separate fixed "infinity" setting.

Smallest object field: 440 x 660 mm – 17,3 x 26,0 in (about 1:18).

Autofocus system: Active infrared autofocus.

Exposure control: Automatic program mode, center-weighted integral metering with automatic flash activation.

Memory: of autofocus and exposure metering value; activated by light pressure on the exposure release button.

Metering range: From 8 cd / m² to 125 000 cd / m².

Operating range: With ISO 100 / 21° from exposure value Ev 6 (1/5 s and f/3.5) to Ev 16 (1/250 s and f/14). Automatic flash activation with exposure readings of less than Ev 10.

Exposure times: 1/5 to 1/250 seconds, in "B"-setting up to 5 seconds.

Automatic film speed scanning of DX-coded films from ISO 50 / 18° to 1000 / 31°. With non-DX-coded films the camera sets to ISO 100 / 21°.

Automatic flash: In poor light, the flash is automatically activated. Manual on / off flash possible at any time.

Flash range: With ISO 100 / 21° from 0.65 m to 4.0 m; with ISO 400 / 27° from 0.65 m to 8.0 m.

Viewfinder: Telescopic (Galilei) with autofocus measuring field and markings for close range. Confirmation- and flash mode indicated by green light diode (LED).

Viewfinder enlargement: 0.45 x, equivalent to 85 % of the film format.

Film transport: Automatic film threading and advance to first frame. Automatic rewind into the film cartridge at end of film; rewinding a partially exposed film is also possible.

Data field: LCD (liquid crystal) display with symbols for battery status, frame count, flash activation and fixed infinity setting.

Timer: 10 s countdown. Indicated by flashing diode (LED) on front of camera. Exposure release via separate button on camera top.

Power supply: durable 3 V-lithium battery (CR 123 A).

Switching the camera on / off: On / off switch on top of camera. Lens moves to ready or transport position. Camera switches off automatically after five seconds when not in use.

Mode control:

AUTO = Automatic flash activation in poor light.

ON = Manual flash activation.

OFF = Flash manually switched off. For exposure times of longer than $\frac{1}{5}$ s, the camera automatically switches to longtime exposure "B". Long-time exposures of up to 5 s possible.

∞ = Focusing distance is fixed at infinity.

The modes AUTO, ON and OFF remain activated until the camera is switched off or another mode is selected. Only the separate fixed infinity setting mode ∞ returns to AUTO automatically after exposure. The ∞ mode can be retained (memorized) for successive exposures by pressing the MODE push button longer.

Housing: Closed camera body in elegant LEICA design. Noose on camera side for attaching the carrying strap of wriststrap. Tripod thread A $\frac{1}{4}$ DIN 403 ($\frac{1}{4}$ "').

Hinged camera back: Depending on model with or without Data Back.

Data back: For marking the film with date or time and day. Quartz-controlled clock and automatic calendar up to the year 2019. Imprint intensity controlled by the camera's automatic film speed setting.

Dimensions:

without data back approx.:

Length 118 mm / height 65 mm width 38,5 mm.

with data back approx.:

Length 118 mm / height 65 mm / width 41 mm.

Weight:

without data back 160 g (without batteries)

with data back 175 g (without batteries)

Accessoires: Ever-ready bag (order no. 18 503)