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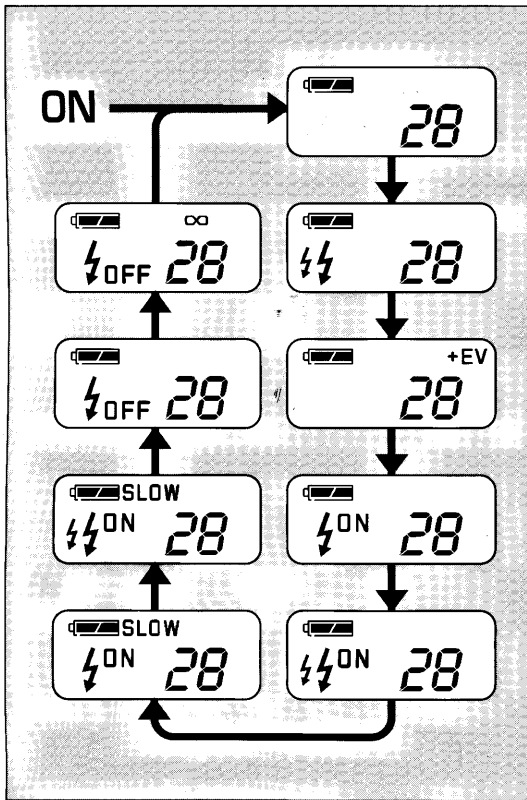


LEICA

Instructions

LEICA Z2X

Mode selection by MODE button





We wish you much pleasure and many years of successful photography with your LEICA® Z2X. The LEICA VARIO-ELMAR 35-70 mm zoom lens, thanks to its high optical performance, produces exceptional quality photographs and increases your composition perspectives with its variable focal lengths. The LEICA Z2X's numerous special features enable you to master even difficult photographic situations. Plus, you can take it anywhere as a constant companion as it is extremely compact and lightweight. In order for you to enjoy the full spectrum of possibilities the LEICA Z2X offers, we recommend that you start by reading this instruction booklet.

The most information you need has been included in the enclosed instruction booklet. The instruction booklet is waterproof and small enough to fit in your pocket.

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

Brief description

The LEICA Z2X is a compact and versatile autofocus 35 mm rangefinder camera designed for easy, yet quality photography. It's special features include:

- LEICA VARIO-ELMAR 35-70 mm lens f/4.0-7.6 (7 elements in 6 groups)
- Passive autofocus with focus memory
- Focus range from 60 cm (24 in.) to infinity
- Center-weighted integral metering with exposure memory
- Exposure override + 2 EV
- Built-in flash
- Automatic flash activation in low light
- Manual -on / -off flash
- Pre-flash option to reduce „red-eye effect“

- Infinity focus lock
- Long-time exposures up to 99 sec.
- Large, bright viewfinder
- Automatic film advance and rewind
- Continuous shutter release, about one every 1.5 sec.
- Automatic film speed setting (DX-coding)
- Quartz controlled data back depending on model chosen

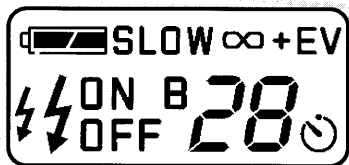
- ① Shutter release button
- ② Zoom selector
- ③ „ON/OFF“ switch
- ④ Auxiliary AF light
- ⑤ Self-timer button
- ⑥ Autofocus sensors
- ⑦ Viewfinder window
- ⑧ Mode selector button
- ⑨ LCD data panel (Liquid Crystal Display)
- ⑩ Electronic flash
- ⑪ Sensor for exposure meter
- ⑫ LEICA VARIO-ELMAR 35–70 mm lens
with automatic lens cover
- ⑬ Eyelet for neck/wrist carrying straps
- ⑭ Self-timer LED diode

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


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- ⑮ Viewfinder eyepiece
- ⑯ Green LED
- ⑰ Red LED
- ⑱ Film window, showing loaded film
- ⑲ Back cover release
- ⑳ Battery compartment cover
- ㉑ Tripod thread 1/4" (A1/4 DIN 4503)
- ㉒ LEICA Z2X with Data Back:
LCD data display on Data Back
- ㉓ Switch for manual film rewind
- ㉔ Socket for electric cable release
- ㉕ Camera back



LCD Data Panel (9)

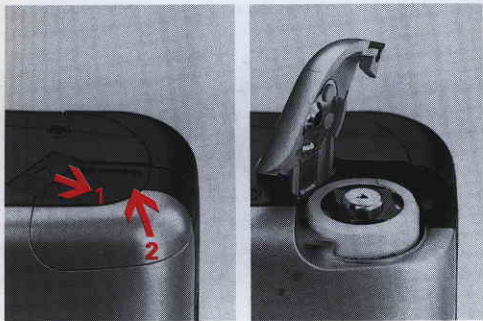
-  = battery function symbol
-  = self-timer indicator
-  = (display flashes when flash is activated automatically)
-  = automatic flash with pre-flash activated (display flashes when flash is activated automatically)
- + EV = exposure override + 2 EV
-  ON = manual flash-on
-  ON = manual flash-on with pre-flash
- SLOW  ON = long exposure + manual flash-on

- SLOW  ON = long exposure + flash + pre-flash
-  OFF = manual flash-off
- ∞ = focus has been manually locked on infinity
- B = long exposure up to a maximum of 99 sec. (in the program modes „SLOW“ and „ OFF“)
- 28 = frame counter
- 99 = time counter for long exposures
- 10 = self-timer countdown

Compatible 3 volt lithium batteries,

for example:


DURACELL	DL123A
KODAK	K123A
PANASONIC	CR123A
VARTA	CR123A, etc.




Inserting the battery



The LEICA Z2X is powered by a 3 volt Lithium battery (e.g. CR123). To insert the battery, open the battery compartment cover (20) by pushing in the direction of the arrow. Insert the lithium battery with the minus pole facing forward as indicated in the battery compartment; close the cover until it clicks shut.

Checking the battery

Switch the camera on (see p. 7). The protective lens cover then automatically opens and the lens (12) moves to the „ready“ position. If the symbol  ap-

pears together with other display symbols, battery power is sufficient. When the symbol  flashes, the battery still has approximately 30% capacity. Should no symbol appear, the battery is flat and must be replaced immediately. In this case, the shutter cannot be released. For this reason, always keep a spare battery handy when traveling.

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.

Also, after a series of exposures in close succession, the symbol  may flash or the symbol  may appear.

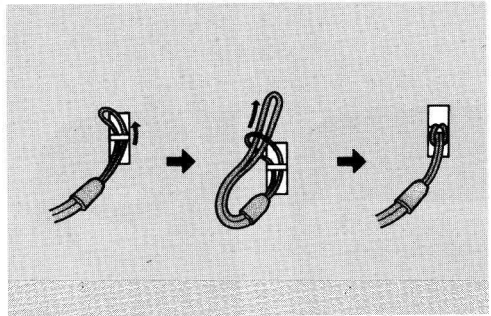
Before further exposures, pause briefly for the battery to recover.

Attention: Cold temperatures reduce battery performance. In addition, the film becomes stiffer, making film advance more difficult. At low temperatures, carry your LEICA Z2X in an inside pocket and use a fresh battery.

Changing the battery

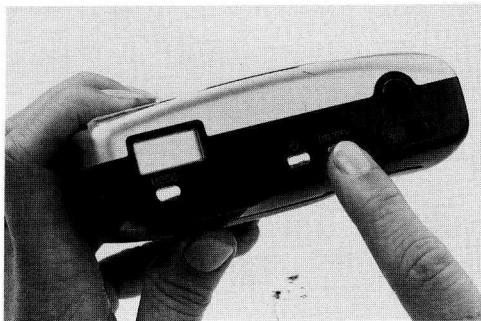
When there is a film in the camera, insert a new battery immediately after removing the old one. If the camera is left more than 10 minutes without a battery, the frame counter in the LCD data panel resets to „1“ when you insert a new battery, regardless of the number of pictures taken.

Attention: Keep battery contacts clean. Do not dispose of used batteries by throwing them into an open fire; do not try to recharge, break open, disassemble or heat. Do not dispose of used batteries in normal household garbage, as they contain toxic wastes that are dangerous to the environment. Return them to your local supplier or turn them in for recycling.



Attaching the neck or wrist carrying straps, Ever Ready case

When taking pictures, the everready case (order no. 18509) remains connected to the carrying strap when it is pulled through the loops found inside the case.



Switching the camera on/off

To do this, press the „ON/OFF“ switch (3). The protective lens cover opens, the lens extends to the „ready“ position and the LCD data panel (9) display appears.

When the camera is switched off all displays disappear, the lens returns to the transport position and the lens cover closes.

When the camera is not used for approx. 5 minutes after being switched on, the data panel display and the camera electronics are automatically turned off. The lens is set to the 35 mm focal length (wide-angle). With a light touch on the shutter release, the „ON/OFF“ switch or the

zoom selector, all electronics are activated and the camera is again immediately ready to shoot. This function is to prevent unnecessary battery use. We recommend that you switch off the camera when it is not used for long periods of time in order to extend battery life.

Compatible 35 mm films:

The LEICA Z2X automatically sets the following film speeds for DX-coded 35 mm films (package and cartridge are marked „DX“):

Film speed in ISO

50/18°	200/24°	1000/31°
64/19°	250/25°	1600/33°
100/21°	400/27°	2000/34°
125/22°	500/28°	3200/36°
	800/30°	

With film emulsions slower than ISO 50/18°, or if the film is not DX-coded, the camera is automatically set to ISO 100/21°. It is automatically set to 3200/36° at film speeds above ISO 3200/36°.



Loading the film

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 set at „0“. Otherwise light will damage any exposed film.

Attention: Whenever possible, do not load or remove film in bright light. To prevent light from hitting the film, load or remove it in your body's shadow.

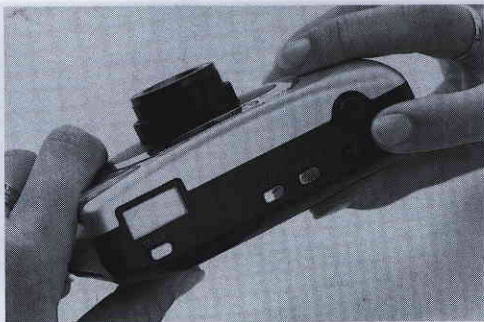
1. Unlatch and open the back cover (25) by moving the sliding cover release (19) upward.



2. Load the film cartridge into the film chamber as shown. The camera guide pin must fit into the corresponding socket on the film cartridge base.
3. Ensure that the film is laid flat between the film guides with the film lead extending to the take-up spool.
If you have pulled out too much film, carefully wind it back into the cartridge. Make sure that the film is lying flat in the film chamber.



4. Close the camera back. The camera switches on and the film advances automatically to the first frame. The camera is ready for the first exposure when the frame counter is at „1“. However, if the „1“ flashes, the film has not been loaded properly. Reopen the back, remove the film and reinsert it as described in sections 2 to 4.



Setting the focal length

The button to select the focal length (zoom selector, 2) operates like a seesaw. Pressing „T“ (tele) on the right of the rocker causes the lens to zoom to longer focal lengths. Pressing „W“ (wide-angle) on the left of the rocker causes the lens to zoom to shorter focal lengths.



Holding the camera

To avoid camera shake, hold your LEICA Z2X as shown in the photographs. Also check that the lens, flash (10), autofocus sensors/auxiliary light (6,4) and exposure meter window (11) are not inadvertently covered by your hand, the carrying strap, etc.

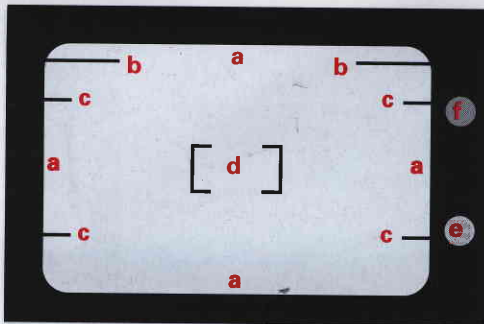
For vertical format photographs, ensure that the flash is always at the top as lighting from above produces a more natural impression.

It is also advisable with vertical format photography to use the thumb to press the shutter release to minimize camera shake.





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Viewfinder display (7, 15)

The viewfinder adjusts according to the zoom focal length selected.

a: Viewfinder frame:

The image area framed by the lens is at least equal to the full area visible in the viewfinder.

b: Close-up frame markings:

For close-up photography, the viewfinder image of the lens picture area is shifted upwards. This parallax becomes all the more apparent the longer the focal length and the shorter the focusing distance. The close-up range markings in the viewfinder of the LEICA Z2X applies to the 70 mm focal length

in the focus range of 0.6 m to about 1.4 m (2 to 4.6 ft). Here, the picture area is outlined by the close-up markings at the top and the viewfinder border below the frame lines at the bottom.

c: Markings for the panorama format:

With use of the panorama adapter (see p. 28) available as an accessory, the picture area covered is indicated by the markings inside the frame lines.

d: Autofocus frame:

Aim the camera so that the main subject to be in sharp focus is within this frame (it is not necessary that it fills it).

e: Green LED (16)

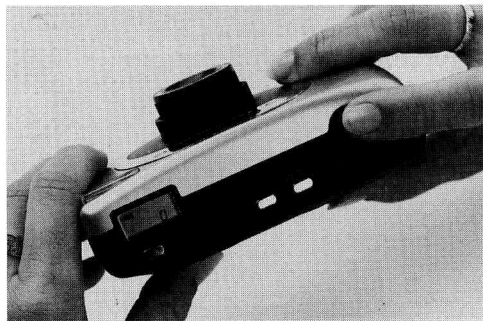
If the green LED lights up when the shutter release button (1) is lightly pressed, this indicates that focus point and exposure have been measured as well as stored in memory. When the green LED flashes at long intervals, this is a warning for possible camera shake in low lighting conditions with the flash switched off. You can, nevertheless, still take the picture. The green LED will also flash at long intervals when the subject is too close (under 60 cm (24 in.)). In this case, the shutter release will also be locked. The

distance between camera and subject has to be increased.

However, if the green LED flashes at short intervals, automatic focusing is not possible due to insufficient contrast. In this case, aim the camera at a similarly lit subject at a comparable distance until the corresponding focus and exposure values have been stored in the memory. If your subject requires more light, the LEICA Z2X automatically activates the auxiliary AF light.

f: Red LED (17)

The red LED lights up after a slight pressure on the shutter release to indicate flash readiness. The red LED flashes and the shutter release is blocked when the flash is not yet ready. Flash recycling time with fresh batteries is about 5 seconds.



Taking pictures

For photographs with the main subject in the center of the frame:

After selecting the focal length, point the camera so that the main subject or portions thereof are within the autofocus frame area. Now lightly press the shutter release button to pressure point. As soon as the green LED appears in the viewfinder, focus and exposure values have been determined. You can now depress the shutter release button fully to take the picture. The camera then advances the film to the next frame and the film counter increases by one.



Focus and exposure memory

For photographs where the main subject matter is off-center:

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



Holding the camera to the eye, point it at the subject matter so that the most important portions to be in focus are inside the autofocus frame. Now lightly press the shutter-release button to pressure point. The green LED lights up to indicate that focus and exposure values have been measured and that both values have been stored in memory.

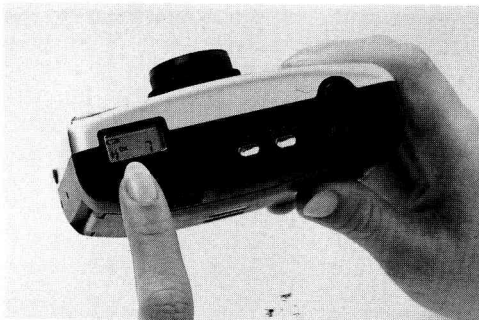


In these types of situations, focus on an alternative object that is at the same distance and similarly lit. Storing the focus and exposure as described, you are now able to take your picture successfully.

Attention: By continually holding down the shutter release, as many pictures as you choose can be taken in a row. With this continuous shutter release mode, it is possible to capture, e.g., action sequences.

Keeping the shutter release button pressed down slightly, compose your picture as you wish. When ready, press the shutter release fully down for the exposure. The focus and exposure memory is cancelled as soon as you remove your finger from the shutter release button.

Using the focus memory feature is also useful with difficult autofocus subjects such as structures which do not present a substantial surface on which to focus, low-contrast subjects in front of similar backgrounds or subjects the structures of which only run horizontally (with vertical format shooting structures running vertically only).



With each press of the mode selector button (8, „MODE“), the program mode is changed to the next setting (see inside cover page 2 and Brief Instructions). Every program mode remains in effect until another mode is chosen or the camera is turned off. After switching the camera on again, the automatic program mode will be in effect.

Taking pictures with and without flash

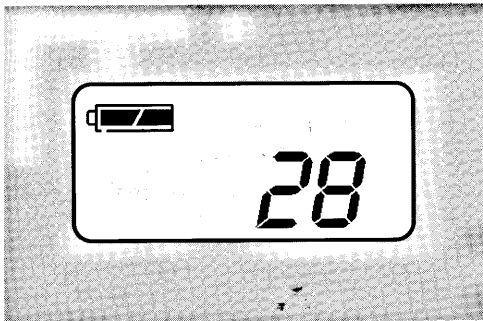
The LEICA Z2X has a built-in flash which can be intentionally switched on or off depending on the program mode chosen.

It is additionally possible to photograph with the pre-flash feature to minimize the „red-eye“ effect.

Program modes

The LEICA Z2X is a fully automatic camera. After turning it on, it is immediately ready to shoot. By a slight pressure on the shutter release, focus and exposure are set and, when necessary, the flash is switched on as well.

For special situations, the LEICA Z2X can be manually controlled. Additional functions in various combinations can be chosen from as program modes.



Taking pictures in automatic program mode with automatic flash

When switched on, the LEICA Z2X is set to the automatic program mode so that you do not have to choose a mode immediately. In this mode, the flash is automatically activated in low light, when slower shutter speeds are likely to lead to camera shake, e.g. in dark interiors and in twilight or poor weather conditions. The symbol ⚡ flashing on the LCD display indicates that the flash has been automatically activated.

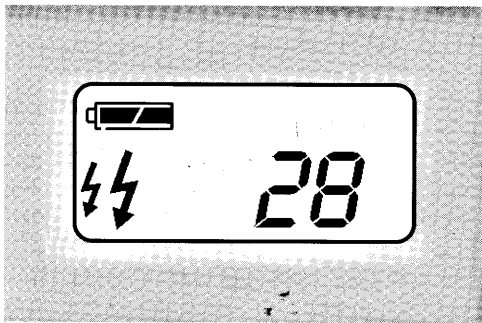
The data panel displays the battery function symbol and the frame counter.

The **green** LED lights up as soon as the focus and exposure are measured and saved.

The green LED flashes at long intervals to indicate that the focusing distance is too small (less than 60 cm (24 in.)). In this case, the shutter release is blocked until the distance is increased (see also „Viewfinder display“, p. 12).

The **red** LED lights up with a slight pressure of the shutter release when the flash is recharged.

The red LED flashes and the shutter release is blocked as long as the flash is not ready (see also „Viewfinder display“ p. 12).



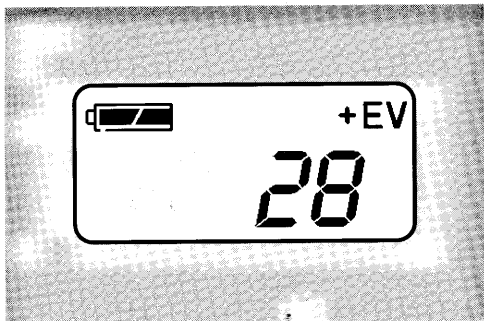
reduced as it contracts the eye pupils of the people looking in the direction of the camera.

Press the mode selector button (8, „MODE“) once. The data panel will display a double flash symbol **⚡**.

Important: Ensure that the main subject is within the flash range (see p. 21).

Taking pictures in automatic program mode with automatic flash and pre-flash

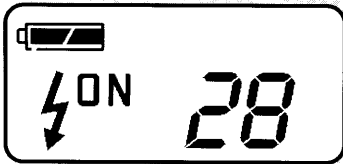
With portraits photographed using flash, an undesirable „red-eye“ effect is possible, when the flash is reflected from the retina of the eye directly to the camera. Therefore, the person being photographed should not look directly into the camera. In low light, this effect is especially noticeable due to dilated eye pupils. When, e.g., photographing indoors, it is recommended to add as much normal room lighting as possible so that the eye pupils are more contracted. By using the pre-flash, released immediately prior to the main flash, the „red-eye“ effect is greatly



To activate exposure override, press the mode selector button (8, „MODE“) until the camera data panel displays the symbol „+EV“.

Taking pictures in automatic program mode with automatic flash and exposure override

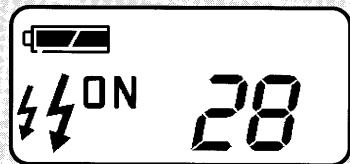
Exposure measurement is done from a middle grey value which corresponds to the brightness of an average photographic scene. When the scene does not measure to this value, an exposure override is necessary. In extremely bright surrounding scenes, e.g., with snow or at the beach, the picture becomes underexposed due to the high amount of light reflections. In order to compensate, the picture must be overexposed by „+2EV“ (EV = Exposure Value).



Manual flash-on

Activating the flash manually is recommended when taking photographs against the sun (backlight) or for pictures with extreme contrast (e.g. when the subject is in shade).

To activate the flash manually, press the mode selector button (8, „MODE“) until „⚡“ is displayed in the data panel. The flash will now be activated for every photograph regardless of lighting conditions.



Manual flash-on and pre-flash

Press the mode selector button (8, „MODE“) until the symbols „⚡⚡“ and „ON“ are displayed in the data panel. All further photographs will now be taken with the pre-flash and main flash regardless of the lighting conditions.

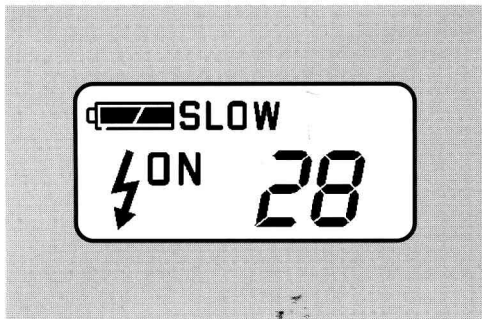
Film speed ISO/DIN	Flash range			
		at 35 mm	at 70 mm	
50/18°	64/19°	80/20°	0,6 m – 3,6 m	0,6 m – 1,9 m
100/21°	125/22°	160/23°	0,6 m – 5,1 m	0,6 m – 2,7 m
200/24°	250/25°	320/26°	0,6 m – 7,2 m	0,6 m – 3,8 m
400/27°	500/28°	640/29°	0,6 m – 10,2 m	0,6 m – 5,4 m
800/30°	1000/31°	1250/32°	0,6 m – 14,4 m	0,6 m – 7,7 m
1600/33°	2000/34°	2500/35°	0,6 m – 20,4 m	0,6 m – 10,8 m
3200/36°			0,6 m – 28,8 m	0,6 m – 15,3 m

These specifications refer to color negative (print) film. With positive (slide) films, there is a reduction in range. All values are rounded off.

Flash range

The available flash range depends on the chosen focal length and film speed. For best results, ensure that your main subject is within the flash range. It is preferable to use flash more towards the wide-angle

range where the flash range is greater, as the focusing distance is lower and the lens speed higher at this end of the zoom range.



In flash photographs in the „automatic program“ mode, the ambient light does not influence exposure (1/30 sec.).

Manual flash-on with long exposure

In order to minimize the risk of camera shake, the shutter speed in automatic program mode with automatic or manual flash activation (without long exposure, „SLOW“) is limited to 1/30 sec. The background is therefore often heavily underexposed in outdoor flash photographs taken at twilight or at night.

For correct exposure of the surrounding area in such photographic situations, the exposure may have to be prolonged up to the „B“ (long exposure) setting (over 4 sec.); see also the pictures on the top of these pages.

To activate this feature, press the „MODE“ button (8) until the symbol „SLOW ⚡ ON“ appears on the LCD display. The flash is now activated for every exposure regardless of the lighting conditions.



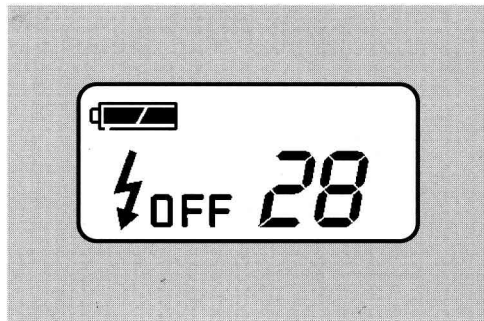
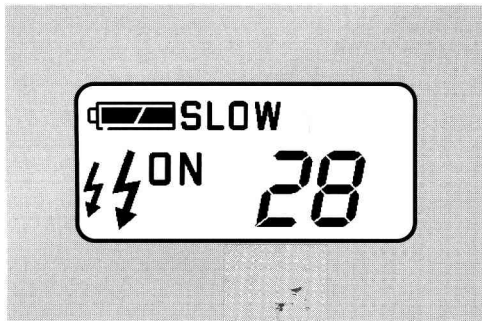
In the „SLOW ⚡ ON“ and „SLOW ⚡⚡ ON“ modes (the ambient light determines exposure time) the flash acts as fill-in flash for the foreground.

If a „B“ also appears on the data panel (see illustration above), the camera switches to long-time exposure „B“. The shutter remains open until the shutter release button is released again (99 sec. at maximum). The „B“ setting is also activated in the following modes (refer to the relevant illustrations on the following pages).



Attention: The shutter speed is controlled by the ambient light up to the „B“ (long exposure) setting.

Flashing *green LED* indicates a risk of camera shake despite the flash, as the exposure is longer than 1/30 sec. In this case, hold the camera steady and, if necessary, put it on a solid support or mount it on a tripod. In poor lighting conditions, the camera must be held steady until the film advance can be heard, *even once the flash has fired.*



Manual flash-on and pre-flash with long exposure

The long exposure mode can also be combined with the pre-flash to reduce the „red-eye“ effect.

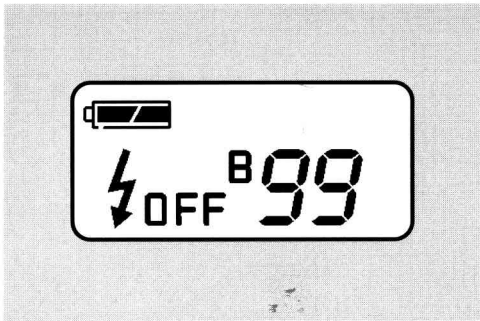
Press the „MODE“ button until the symbol „SLOW ⚡ ON“ appears on the LCD display. The pre-flash and main flash will now be activated for every exposure regardless of the lighting conditions.

Caution: *There is a risk of camera shake even with flash.* (Refer also to „Manual flash-on with long exposure“, p. 22).

Manual flash-off

By intentionally switching the flash off, one can e.g., capture the special mood of twilight, or photograph inside a museum where flash photography is not allowed. Press the mode selector button (8, „MODE“) until „⚡ OFF“ is displayed in the data panel. The flash will now remain off for the following photographs.

Attention: The green LED flashes when the shutter speed falls below 1/30 second which indicates risk of camera shake. In this case, steady the camera against or on a stable object, or use a tripod.



If a „B” appears on the LCD data panel when the shutter release is pressed lightly, the camera has switched to the long exposure mode. Exposure times of up to 99 sec. are possible in this mode. Here, the shutter remains open for as long as the shutter release button is pressed all the way down. Exposure time is displayed on the LCD data panel.

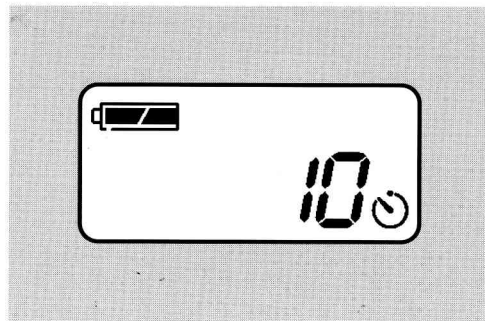
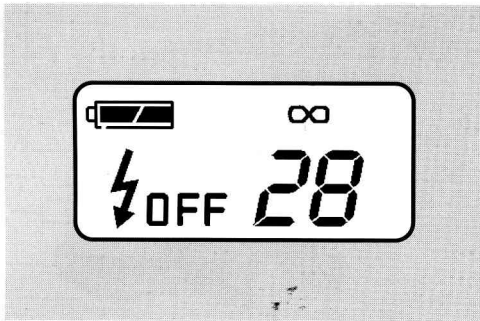
For photographs with long exposure times, the LEICA mini tripod is recommended as a practical accessory which fits into any pocket (order no. 14320).



Electric cable release (Accessory - not supplied as standard; order no. 18540)

The electric cable release is a useful accessory for preventing camera shake during long exposures taken at night, for example.

Caution: Switch the camera off before connecting the electric cable release in order to prevent the shutter from being depressed accidentally.



Taking pictures with infinity focus lock and manual flash-off

Infinity focus lock enables the photographer to focus reliably on distant subjects, such as a range of mountains on the horizon. Details in the foreground such as buildings, trees, etc. will not lead to focus errors.

Press the mode selector button (8, „MODE“) until the symbols „∞“ and „⚡ OFF“ are displayed in the data panel. The lens is now set to infinity for the following photographs and the flash is switched off.

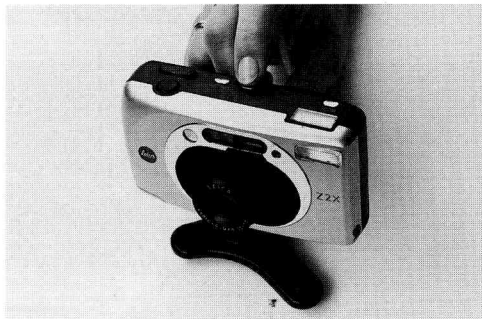
Self-timer

By pressing the self-timer selector button (5) below the data panel 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 (14) on the front of the camera lights up as follows:

- 7 seconds: constant
- 2 seconds: blinking
- 1 second: constant

The shutter release follows.

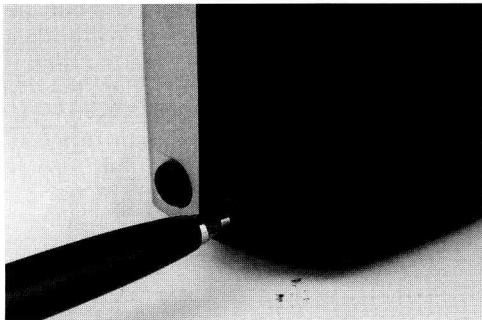


Important: If the motor stops without the flashing „0“ symbol appearing in the data panel, the battery must be checked and, if necessary, replaced. Do not open the camera back because light falling on the partially rewound film will damage it. After inserting the battery, activate the manual film rewind (23) on the bottom of the camera.


After pressing the self-timer button, the self-timer symbol in the data panel flashes and the remaining seconds until the shutter release are shown. To cancel the self-timer, press the self-timer selector button once more or switch the camera off.

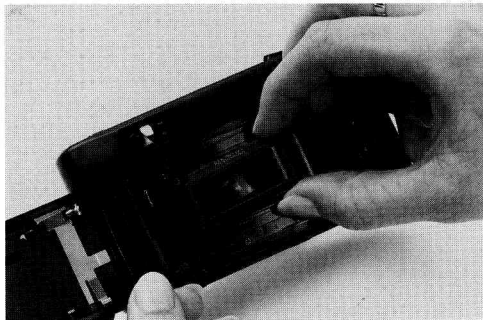
Automatic film rewind

The camera automatically rewinds the film after the last exposure. The frame counter counts in reverse. When the film has been fully rewound into its cartridge, a „0“ flashes on the data panel and the camera is switched off.



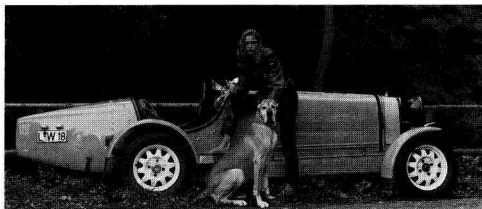
Mid-roll film rewind

You can activate the motor winder to rewind partially exposed film by pressing the rewind switch (23) indicated by the symbol  found on the left of the camera. Press it with a ballpoint pen or similar object.



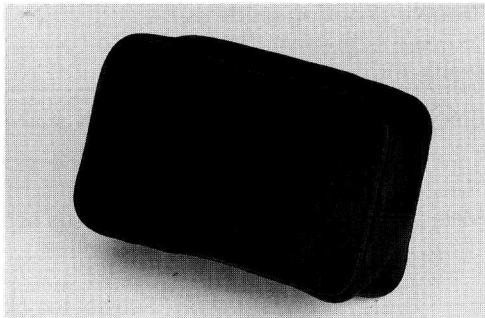
Panorama photographs

The standard 35 mm film format of the LEICA Z2X is 24x36 mm and has a lateral ratio of 2:3. With use of the panorama adapter (available as accessory, order no. 18511), a film format of 12x36 mm is produced with a lateral ratio of 1:3. This panorama format is well-suited for landscape or group photographs. Insert the adapter into the film window of the LEICA Z2X as shown in the illustration. The entire film will now be exposed in the panorama format.



Important: Be careful to stay within the panorama markings in the viewfinder (see p. 12).

Also, there is a velcro inside the everready case to securely store the panorama adapter.



Soft leather case for LEICA Z2X

Trouble-shooting guide...

Problem	Cause	Solution
Entire image out of focus	<ul style="list-style-type: none">- Camera shake during exposure	<ul style="list-style-type: none">- Hold camera steady and press exposure release gently
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- Difficult autofocus situations, such as uniformly bright surfaces without contrast- 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 60 cm (24 in.)- Use focus memory (see p. 14)- Use focus memory on alternative subjects that are at a similar distance (see p. 14)- Change mode (see p. 16)
Picture blurred or partially out of focus	<ul style="list-style-type: none">- Lens is not clean (water marks, fingerprints)	<ul style="list-style-type: none">- Clean lens (refer to „Helpful tips on camera care“, p. 36)

Picture too dark or partially too dark

- Lens or flash unit obstructed
- Camera/subject distance too great for flash exposures

Shutter release button is blocked

- Camera not switched on
- Battery is dead

- Battery contacts soiled (oxidized)

- Flash still recycling

- Subject too close

- Film in camera has rewound and cartridge is still in camera

- Program error

Shutter release blocked and the frame counter in data panel flashes

- Film advance malfunction

- Keep hands, carrying strap etc. away from lens and flash unit

- Stay within the flash range or use a higher speed film

- Switch on camera (see p. 7)

- Change battery (see p. 5, 6)

- Wipe battery contacts clean

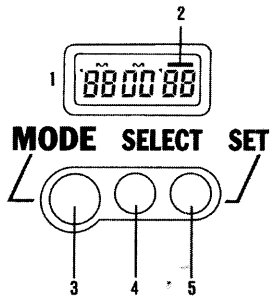
- Wait briefly until the flash is ready (see p. 13, 17)

- Increase the subject distance to at least 60 cm (24 in.), (see p. 12)

- Take out film cartridge (see p. 27, 28)

- Take out battery and re-insert it

- Rewind film via rewind switch (see p. 28)

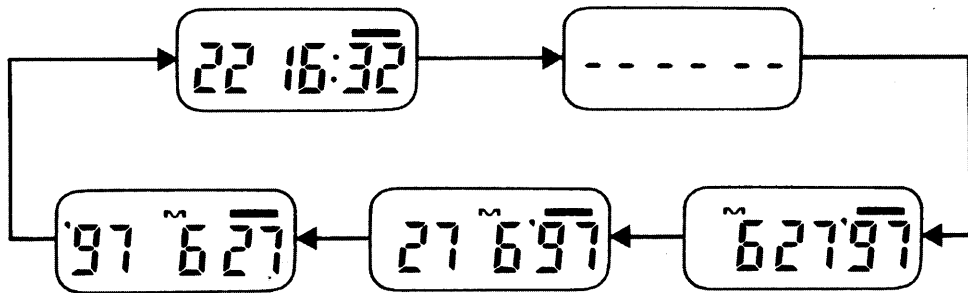


Data back

The LEICA Z2X is available with or without data back.

With the quartz-controlled data back, the date (day, month, year - in three different sequences), or the time (day, hour, minute) can be imprinted onto 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. The imprinting of the data is controlled by the camera's automatic film speed setting (DX-coding). The data back is powered by the camera battery.

1. LCD-data back display (22)
2. Display for marking the film flashes for approximately 2 sec. 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 diagram on p. 33). The month is marked with the letter „M“ (does not appear on film). 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 pressing briefly the value is changed by one in ascending order. Holding the button down longer causes the values to change quickly.



Setting the data

By pushing the SELECT button, you can choose that part of the display to be set. The display for „imprinting“ disappears and the part of the display selected flashes. In the data display, pushing the button the first time selects the 'year' display; pushing once more 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“. When the colon blinks in the time display, pressing the „SET“ button sets the clock to zero seconds. Pressing the „SELECT“ button

another time concludes the setting procedure and the display symbol for imprinting lights up again.

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 in the photograph shown on page 35. Intensity control for correct imprinting of the data is carried out via the LEICA Z2X's automatic film speed setting (DX-coding). The data are imprinted on the film from behind by means of an LCD element.



Data legibility on the photograph may vary slightly depending on the film used. On some 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, oran-

ge 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.



Helpful tips on camera care

Use a soft brush or a dry, soft, clean cloth (e.g. a clean cotton handkerchief) to remove dust on the outer lens surface. Avoid touching the part of the cloth used before beginning to clean. Special lens cloths such as those sold for cleaning eyeglasses are not recommended. They often contain chemicals that may damage the optical glass. (The composition of glass used for eyeglass lenses is different from that used in camera lenses). Alcohol and other chemical solutions should not be used to clean the camera body. When necessary, clean the camera with a soft, dry cloth.

Do not expose your LEICA Z2X to hard knocks, heat or moisture. Extremely low temperatures affect the functioning of your camera. In cold weather, keep your LEICA Z2X in a warm inside pocket. Avoid abrupt changes of temperature from hot to cold, as this 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 Z2X to become wet.

While not in use, keep the camera in a cool, dry place free from dust and chemi-

icals. The camera can be carefully cleaned with a clean, dry cloth. Do not exert excessive pressure on the LCD data panel. The LCD data panel has been designed for use in temperatures from approximately 0° to +40° (32° 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 panel to darken.

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

Customer Service

For servicing and in the unlikely case of damage to your LEICA Z2X, the service department of your national Leica Camera agency (refer to warranty card) is at your service. Consult your authorized Leica Camera dealer for assistance.

Technical data

Type: Compact 35 mm rangefinder camera with passive autofocus, automatic exposure program and built-in flash.

Lens: LEICA VARIO-ELMAR 35-70 mm f/4.0 - 7.6 (7 elements in 6 groups). Lens cover automatically closes when the camera is switched off.

Focus range: From 60 cm (24 in.) to infinity. Separate infinity focus lock.

Autofocus system: Passive autofocus, which meters exposure values when the shutter release button is pressed lightly and focuses when the shutter release button is fully depressed. In poor lighting conditions the auxiliary AF light is automatically activated.

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

Memory: Focus is locked and metered value saved with continuous slight pressure on shutter release button.

Exposure override: +2Ev, can be activated manually.

Meter working range: (all data at ISO 100/21°)

For modes with automatic flash activation or „ON“ (manual flash-on)

At 35 mm focal length:

from exposure value Ev9 (1/30 sec. and f/4.0) to Ev17 (1/300 sec. and f/20).

At 70 mm focal length:

from exposure value Ev11.6 (1/50 sec. and f/7.6) to Ev17 (1/200 sec. and f/25).

For manual „flash-off“ modes or manual flash activation with long exposure, „SLOW/ON“.

At 35 mm focal length:

from exposure value Ev6 (1/4 sec. and f/4) to Ev17 (1/300 sec. and f/20).

At 70 mm focal length:

from exposure value Ev7.9 (1/4 sec. and f/7.6) to Ev17 (1/200 sec. and f/25).

Shutter speed range: 1/4 sec. to 1/300 sec., „B“ setting (up to 99 sec.)

Film speed setting: Film speed automatically set for DX-coded films from ISO 50/18° to ISO 3200/36°. With film without DX-coding or with coding lower than ISO 50, the camera is automatically set to ISO 100/21°. With films with coding higher than ISO 3200, it is set to ISO 3200/36°. The settings are as follows: ISO 50, 64, 100, 125, 200, 250, 400, 500, 800, 1000, 1600, 2000, 3200.

Automatic flash: In poor lighting conditions the flash is activated automatically in the automatic program modes. Manual ON/OFF capability at any time. Additional manual flash activation also possible with long exposures (SLOW/ON). Pre-flash to reduce „red-eye“ effect in automatic program mode and manual flash-on (ON, SLOW/ON).

Flash range (all data at ISO 100/21°):

At 35 mm: 0.6 to 5.1 m

At 70 mm: 0.6 to 2.7 m

Viewfinder: Bright, clear real image viewfinder with markings for autofocus area measured, frame lines for close-range and panorama photographs (panorama adapter available as an accessory). Viewfinder magnification: 0.44x at 35 mm focal length, 0.74x at 70 mm focal length. Finder coverage 83% of film format.

LEDs: Red LED blinks when flash is being recharged and is lit continuously when the flash is ready to fire.

Green LED blinks when the camera/subject distance is too small or when there is a risk of camera shake due to long exposure times. It is lit continuously to indicate that focus and exposure have been metered or stored in memory.

Film transport: Automatic film threading and advance to first frame. Motorized advance after each exposure. Continuous shooting by holding down shutter release. Automatic rewind after last exposure. Mid-roll rewind possible.

Data panel: Liquid Crystal Display (LCD) indicates symbols/numbers for: battery status, frame count (alternatively time count in seconds), flash and pre-flash activation, flash OFF and pre-flash OFF, long-time exposure, infinity focus lock, self-timer and exposure override.

Self-timer: 10 sec. countdown; indicated by diode (LED) on front of camera. Activated by separate button on the top plate of the camera.

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

Camera on/off control: ON/OFF button on camera top. Lens travels to ready/transport position. Camera automatically shuts off electronics after approx. 5 minutes (stand-by mode). Functions can be re-activated by touching the shutter release button, the zoom selector or the ON/OFF button.

Program modes:

- Automatic program mode with automatic flash
- Automatic program mode with automatic flash and pre-flash
- Automatic program mode with automatic flash and exposure override
- Manual flash-on
- Manual flash-on and pre-flash
- Manual flash-on with long exposure*
- Manual flash-on and pre-flash with long exposure*
- Manual flash-off*
- Infinity focus lock and manual flash-off*

* *The „B“ is displayed on the LCD data panel if the light is too dim to permit exposure metering. Manual long-time exposure up to 99 sec. possible.*

Every program mode remains in effect until another mode is chosen or the camera is turned off. When the camera is switched back on, it automatically sets to „automatic program mode with automatic flash“.

Camera body: Elegant and ergonomic Leica design. Also in black available. Eyelet for attaching the neck or wrist strap to side of camera. Tripod mount: A¼ DIN 4503 (¼“).

Data back: Camera available with or without data back. Imprints the day and time, or date on the film. Quartz controlled clock and automatic calendar up to year 2019. Intensity controlled automatically according to film speed coding.

Dimensions (approx.):

Length 124 mm / height 69.6 mm / depth 42.6 mm
(with data back 43.6 mm)

Weights (without battery)

approx. 245 g (without data back)
approx. 248 g (with data back)

VARIO-ELMAR 1:4-7,6/35-70 mm

