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CdS MF Finder S

INSTRUCTIONS

Printed in Japan

E 31080C

The CdS MF Finder S, which you have purchased, has been specially designed as an integral accessory in the Zenza Bronica SQ System of Photography and converts the SQ into a TTL (thru-the-lens) CdS exposure metering single lens reflex, powered by the battery in the SQ camera body, with three color-coded LEDs for exposure adjustments in both the diaphragm-priority and shutter speed-priority mode, as preferred.

To obtain best results from the CdS MF Finder S, when attached to the Zenza Bronica SQ, it is suggested that you carefully read through this instruction manual once, as your pleasure in using the SQ with the CdS MF Finder S will be even greater if you thoroughly familiarize yourself with its operation before trying it for the first time.

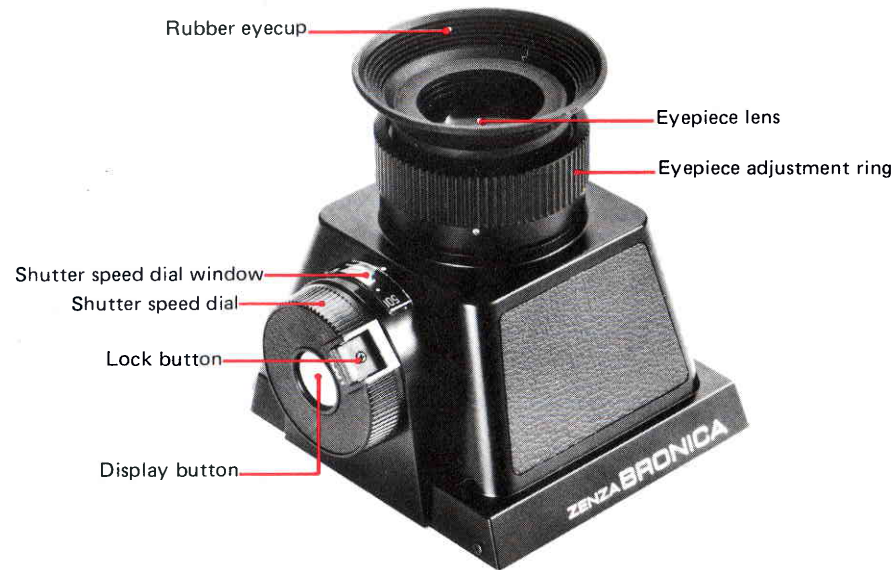
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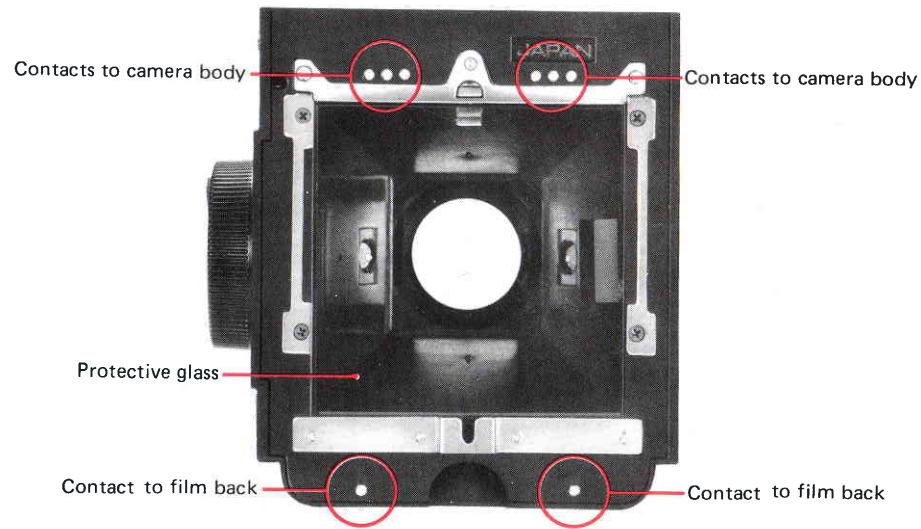
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Specifications

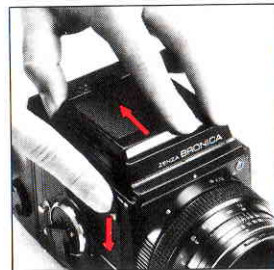
Magnification	1.0X, with the standard 80mm lens
Finder field	52.3 x 52.3mm (94% x 94%)
Eyepiece diopter correction	-3 to +2 diopters (with adjustment ring)
Exposure measuring system	TTL (thru-the-lens) full aperture exposure measurements; full area average readings, with two CdS photocells.
Shutter coupling range	8 seconds to 1/500 second (in 1/2 stop increments)
Exposure measuring range	EV 4 to EV 16 (ASA 100 film)
Film sensitivity range	ASA 25 to 3,200 (DIN 15 to 36)
Finder indications	LED 3-point indications or over-exposure (red-colored), correct exposure (green-colored) and under-exposure (red-colored).
Dimensions and weight	80mm wide x 83mm long x 79mm high, including rubber eyecup; 200 grams.

Name of Parts

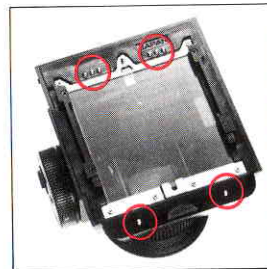




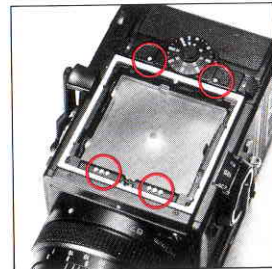
1 Attachment of the CdS MF Finder S

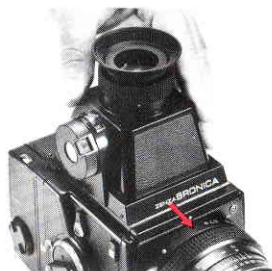


A. To detach the finder on the camera body, simply depress the finder release button, while, at the same time, sliding the finder or the finder cover backwards where it can be taken off.



B. Before attaching the CdS MF Finder S, first, wipe the contacts on both the camera body and the finder, with a soft cloth, to obtain optimum contact.





C. To attach the CdS MF Finder S, simply align the front end of the finder with the finder frame (the shiny square frame on top), as illustrated. Then, gently lower the finder and, when well-seated, slide forward until it locks into place.

D. The shutter dial circuit in the camera body is automatically switched off, upon attachment of the CdS MF Finder S. Therefore, the shutter speed dial on the body can be set to any speed, as it will have no effect on the exposure setting.

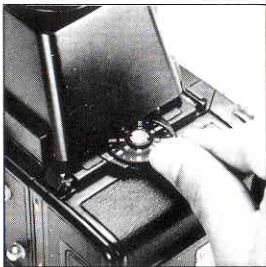
E. To detach the CdS MF Finder S, simply follow instructions in "A".

2 Battery Checking

Simply depress the battery check button on the camera body and a red-colored LED battery check lamp will light up in the central front area of the CdS MF Finder S, if the battery is loaded properly in the camera and if there is sufficient power for operations.

(See "Loading the Battery" and "Battery Checking" of the Zenza Bronica SQ instruction manual.)

3 Setting the Film Speed



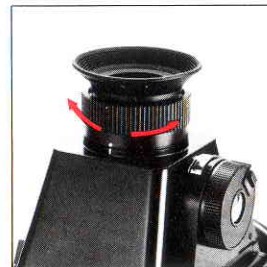
The film sensitivity of the film loaded in the film back is set with the film speed dial on the film back.

As illustrated, rotate the film speed dial with a slight lifting action.

Film Speed Dial Scale (The film speed scale is actually marked as in the center row.)

A S A	25	32	40	50	64	80	100	125	160	200	250	320	400	500	640	800	1000	1250	1600	2000	2500	3200
Scale	ASA 25	•	•	50	•	•	100	•	•	200	•	•	400	•	•	800	•	•	1600	•	•	3200
	DIN 15			18			21			24			27			30			33			36
D I N	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36

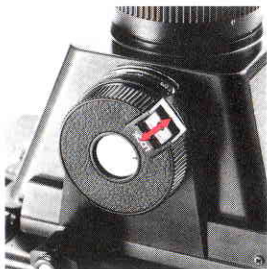
4 Eyepiece Adjustment



The eyepiece can be adjusted to suit the user's eyesight, by rotating the eyepiece adjustment ring while placing the user's eye flush against the rubber eyecup. Rotate in either direction until the micro-prism/split-image spot in the center of the focusing screen is observed clearly and distinctly.

Rotating in the clockwise direction will provide adjustments up to +2 diopters while counter-clockwise rotation will provide adjustments up to -3 diopters. The index should be used as a guide for future adjustments.

5 Diaphragm-Priority Exposure Adjustments



A. Rotate the aperture ring of the attached lens and set the required F/ number opposite the white index dot.

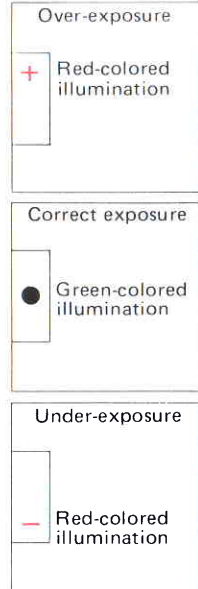
*Intermediate aperture settings are not possible, when the CdS MF Finder S is attached.

B. Depress the lock button inwards to release the display button. Depressing the display button will now allow exposure measurements for about 30 seconds.

C. Rotate the shutter speed dial either way, while checking the LED display in the finder, until the green-colored LED lights up. Always set the dial to the nearest click-stop. The setting can be confirmed from the shutter speed dial window.

D. Exposure adjustments should be completed in about 30 seconds, as otherwise, it will be necessary to depress the display button once more to continue metering.

E. When exposure measurements are not required (such as, when storing the camera), move the lock button outwards and lock the display button. This will prevent accidental metering and, consequent, drain on the battery.



6 Shutter-Priority Exposure Adjustments

A. Adjust the shutter speed dial on the finder and set the required shutter speed.
B. Depress the display button, for taking exposure measurements, in the same manner as for diaphragm-priority exposure adjustments.

C. Rotate the aperture ring of the lens, in either direction, until the green-colored LED lights up.

The aperture ring should also be moved to the nearest click-stop setting, in this case, as intermediate settings are not possible.

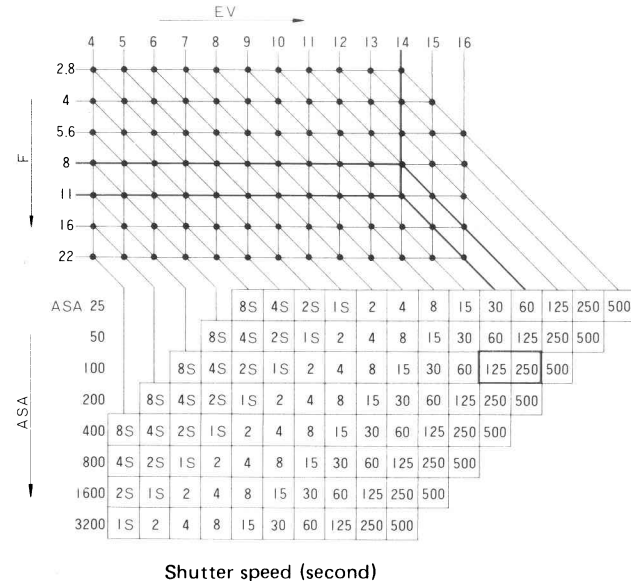
* Do not move the depth of field preview lever while metering, in both diaphragm-priority and shutter-priority modes, as there will be over-exposure, in this case, corresponding to the difference between the full aperture and the stopped-down aperture.

* Always place the eye flush against the eyecup, when making exposure adjustments, as otherwise light may leak in and affect the measurement.

* The shutter speed dial must always be stopped at the nearest click-stop.

* When the CdS MF Finder S is fixed on top of the camera body, the red-colored LED above the focusing screen area will briefly illuminate as shutter closes, which means that it will prove very convenient at slow shutter speeds.

7 Relationship Between Shutter Speed, Aperture and Exposure



- The shutter speed indications are read:
1S — 8S: 1 second to 8 seconds
2 — 500: 1/2 second to 1/500 second
- How to use the Table:
If EV 14 is the correct exposure, with ASA 100 film, the shutter speed setting will be 1/250 sec., when F/8 is set to the aperture ring. (See the thick red lines drawn on the table.)
If the aperture should be set to F/11, in the above case, it can be seen that the shutter speed setting will become 1/125 sec.
A "brightness of EV 14" is the brightness outdoors on a bright sunny day.
- Exposure Measuring Range
The exposure measuring range with the CdS MF Finder S is EV 4 to EV 16 (with ASA 100 film).
EV, or exposure value, is a combination of shutter speed and aperture(F/number), as determined by the film speed and the intensity of the light.

8 Care and Storage

- Cleaning of the eyepiece and protective glass should be restricted to blowing with the blower brush, after which lens cleaning tissue and liquid should be used to lightly wipe the surfaces.
Do not use silicon-coated cloth, as it will prove harmful to the coating.
- However, use the silicon-coated cloth, or a soft cloth, to clean the exterior of the accessory and never use solvents, such as lens cleaning liquid, alcohol or thinner, for this purpose.
- Do not leave the accessory for a long time in extremely hot locations, such as summer beach or car parked in the sun, as the accessory may be affected, leading to improper exposure measurements and even to damage.
Should the camera and accessory become over-heated, under the above circumstances, let them return to the ambient temperature level before using them.
- Wipe and clean the accessory very carefully after using it in wet weather or at the seashore.
- If the accessory has been exposed to salty air (or water), wipe the exterior carefully with a well-wrung damp cloth (using fresh water). Then, dry with a soft, dry cloth. And, have the accessory inspected at the authorized repair station, if necessary.
- Store the accessory in a tin-lined container, with plenty of desiccant, such as silica gel, if it is not being used for some time. And, store in a cool, dry and well-ventilated (but not windy) location, free of naphthalene and/or camphor.