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TTL PENTAPRISM FINDER FOR ASAHI PENTAX 6x7



OPERATING MANUAL



Here is your new TTL Metering Pentaprism Finder!

Combining the utmost in precision and ease of operation, this new Finder has been designed solely to expand and augment the abilities of your Pentax 6x7.

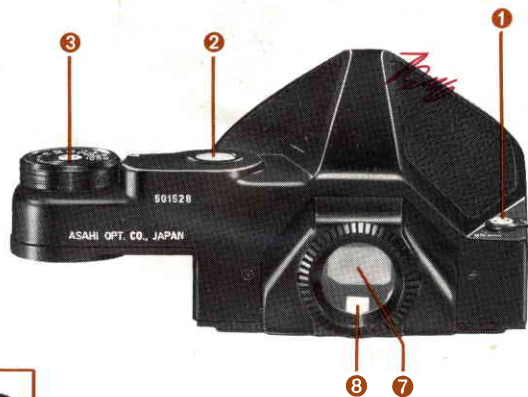
The Pentaprism Finder attaches to the 6x7 camera body in the same manner as the other viewing units, automatically coupling to the shutter speed dial and the diaphragm. A match-point indicator in the viewing window indicates the correct exposure at all times. The TTL meter reads the average of the total light coming in through the lens, no matter what lens or accessory is used. No battery is housed in the Pentaprism Finder because it operates on the battery already inserted in the camera body.

The Pentaprism Finder works with fully automatic diaphragm lenses at full aperture, and with manual diaphragm lenses and accessories at stopped-down aperture.

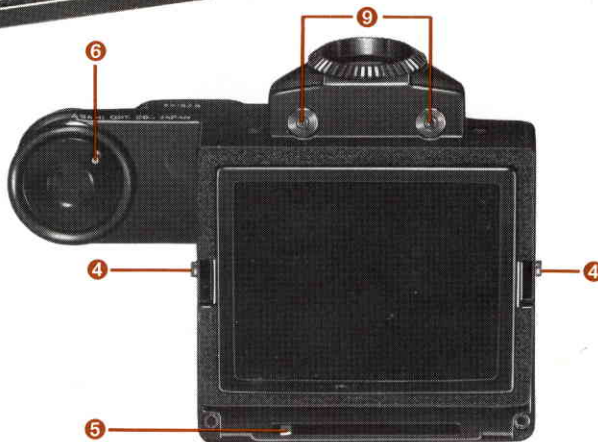
SPECIFICATIONS

TTL meter:	CdS average metering either at full aperture or stopped-down aperture. Meter needle visible through the viewfinder window. Couples to both shutter speed dial and diaphragm.
Measurement range:	EV 2.5 – 19 (with ASA 100 film and f/2.4 – f/22 lens)
Film speed & scale:	ASA 12 – 3200
Working range:	Shutter speeds from 1 to 1/1000 sec. with ASA 100 film. Diaphragm settings from f/2 to f/22.
Power source & consumption:	6V silver battery (Eveready #544) which also powers the shutter mechanism; 4mA
Dimension:	Width 123mm (4.84") × Height 58mm (2.28") × Depth 89mm (3.5")
Weight:	520 g (1 lb. 2 ozs.)

NOMENCLATURE

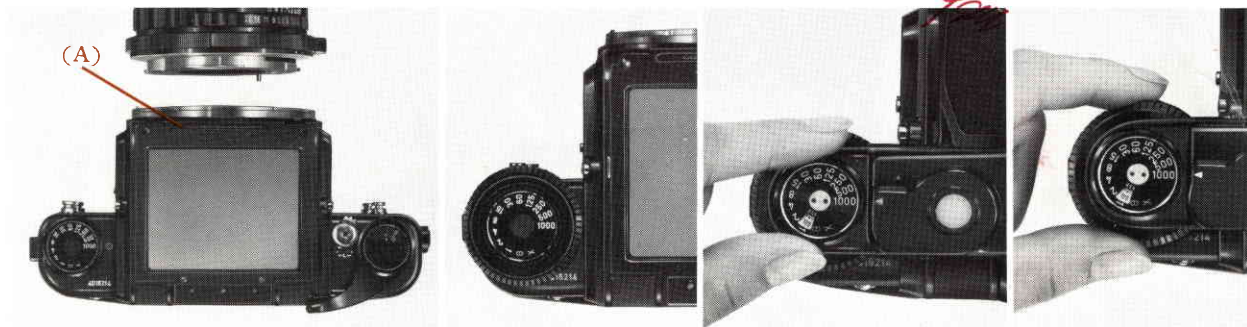


- 1 Switch
- 2 Light window
- 3 Shutter speed dial
- 4 Lock pin
- 5 Diaphragm coupling pin
- 6 Shutter speed dial coupling pin
- 7 Viewfinder window
- 8 Meter window
- 9 Electric connecting pin



Shutter speed dial adaptor

MOUNTING



1. After removing the standard pentaprism or other viewing unit, remove the lens from the camera body. This is necessary to properly position the diaphragm coupling slide (A) on the viewfinder frame for solid connection with the diaphragm coupling pin on the Pentaprism Finder.
2. Attach the shutter speed dial adaptor (supplied with Pentaprism Finder) onto the shutter dial on the camera body.
3. Mount the Pentaprism Finder securely on the camera body, making sure that the lock pins "click".
4. Turn the shutter dial on the Finder until the coupling pin drops into the slot of the shutter dial on the camera body. When the pin drops, you will hear a distinct "click".
5. Turn the shutter dial adaptor. Make sure that both shutter dials turn simultaneously.
6. Re-mount the lens on the camera body.

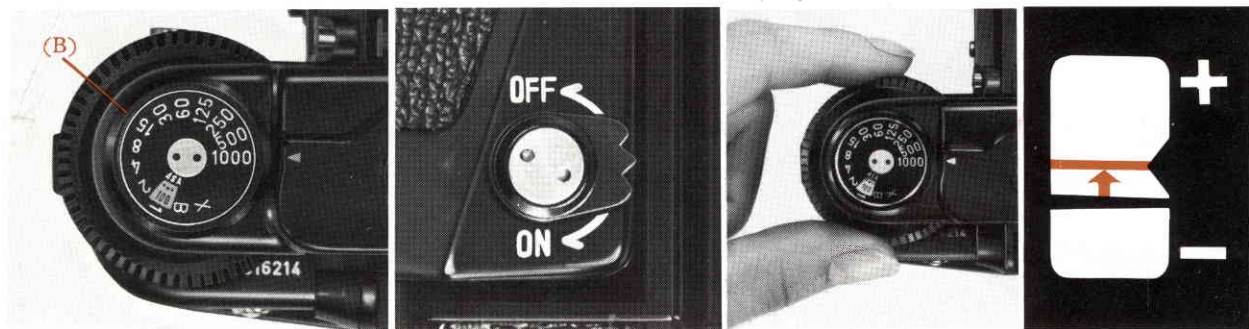
FUNCTION

*There are two connecting pins underneath the viewfinder window. These will automatically connect with the contacts on the camera body, allowing the meter to operate on the same battery which powers the shutter.

*The Pentaprism Finder can safely be removed from the camera body with the lens on.

*The Pentaprism Finder reads at full aperture with the fully automatic diaphragm lens. But it reads at stopped-down aperture when a close-up accessory is inserted between *that* lens and the camera body, or when the manual diaphragm lens is mounted on the body. Be sure to set the depth-of-field preview lever at "MAN" when the Finder is reading at stopped-down aperture.

OPERATION



1. Lift the outer ring (B) of the shutter speed dial. Rotate it until the ASA number of your film is visible in the center of the window. For smaller dots not indicated with figures, refer to the chart shown below.
2. Turn on the meter by sliding the switch to ON. The meter will remain on for approx. 25 seconds.

To save battery consumption, the meter may be turned off by sliding the switch to OFF immediately after you have made your reading.

3. After focusing, turn the diaphragm ring or the shutter dial adaptor until the meter needle matches the index.

ASA	2500	2000	1250	1000	640	500	320	250	160	125	80	50	40	25	16	12
	3200	1600	800	400	200	100	64	32	20							
DIN	36	33	30	27	24	21	18	15	11							

LIGHT MEASUREMENT RANGE

ASA	SHUTTER SPEED	X	B (2)	1	1/2	1/4	1/8	1/15	1/30	1/60	1/125	1/250	1/500	1/1000
	• (12)													
	• (16)													
20		C												B
	• (25)													
32														
	• (40)													
	• (50)													
64														
	• (80)													
100														
	• (125)													
	• (160)													
200										A				
	• (250)													
	• (320)													
400														
	• (500)													
	• (640)													
800				B										
	• (1000)													
	• (1250)													
1600														
	• (2000)													
	• (2500)													
3200														

The area A is the reading range of the meter. In the area B, the meter needle may be centered, but the meter will not work.

The area C indicates the shutter speed of 4 seconds. Do not release the shutter at X. Set the shutter dial at Bulb and make an exposure of 4 seconds.

BATTERY CHECK



The battery is inserted in the camera body. Please refer to the Battery Check / Replacement pages in the 6×7 camera operating manual.

CAUTION

Even when the meter is turned on, the needle will go up to the (+) side and stay there in any of the following cases:

1. you did not remove the lens from the camera body before mounting the Pentaprism Finder.
2. the Finder is not fitted securely in place.
3. the contacts and pins are not properly connected.
4. the battery is out or faulty.
5. the depth-of-field preview lever is set at "MAN" while you are taking full aperture readings.
6. the lens is not properly mounted on the camera body.