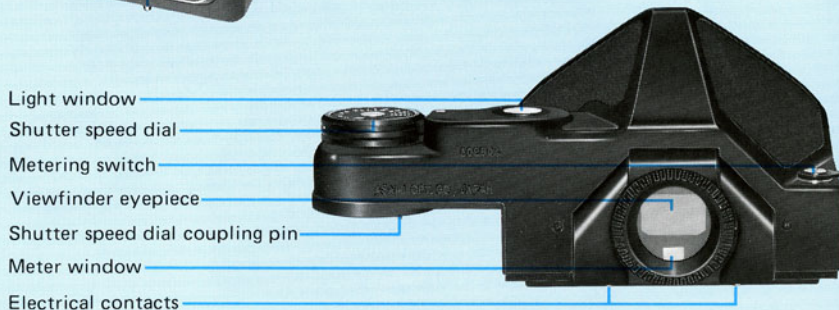


**PENTAX®**  
**6x7**

## TTL PENTAPRISM FINDER





## SPECIFICATIONS

<b>Type:</b>	Accessory finder unit with built-in metering for Pentax 6 x 7 camera,	<b>Meter Coupling Range:</b>	EV 2.5 — 19 (with ASA 100 film and f/2.4 lens). Shutter speeds from 1 sec. to 1/1000 sec with ASA 100 film (f/2 — f/22).
<b>Metering System:</b>	Average metering either at full aperture or stopped-down via GPD cell. Needle visible in finder eyepiece along with match-needle index, over/under exposure markings. Meter couples with both shutter speed dial and diaphragm.	<b>Diopter Rating:</b>	-1 diopter
		<b>Film Speed Range:</b>	ASA 12 — 3200
		<b>Power Source:</b>	Operates via 6V battery inside camera (0.7mA).
		<b>Dimensions:</b>	123mm(W) x 58mm(H) x 89mm(D) 4.84" x 2.28" x 3.5"
		<b>Weight:</b>	520g (1 lb. 2 ozs.)

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Attaching quickly and easily to the Pentax 6 x 7 camera, the Pentax TTL Pentaprism Finder offers the utmost in precision and ease of operation. It features a built-in metering system which reads the average of the total light coming through the lens and indicates the correct exposure via a match-point indicator visible in the viewfinder eyepiece. In addition, it couples automatically with the

shutter speed dial and automatic lens diaphragm system. It also works in conjunction with all lenses and accessories, offering full aperture metering with fully automatic lenses, and stopped down metering with manual diaphragm lenses and accessories. The TTL Pentaprism Finder operates directly via the battery inside the camera, so a separate battery is not required.

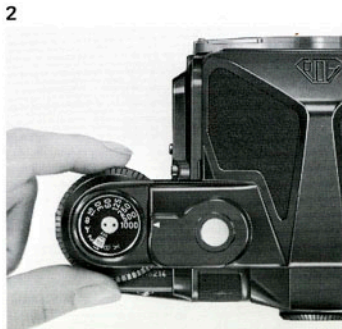
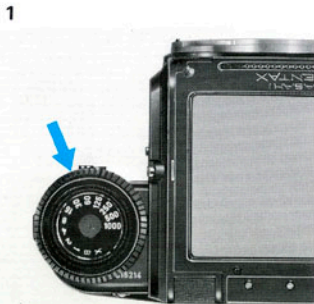
## ATTACHING THE FINDER

**1** Fit the accessory shutter speed dial adaptor over the shutter dial. The TTL Pentaprism Finder attaches easily in the same manner as the other finders. Grasp the finder on the top from both sides and fit it into the finder mount until it locks in place with a click. Once attached, jiggle it back and forth to make sure that it is securely locked in place.

**2** Holding the shutter speed dial of the Finder, turn the shutter dial adaptor with your other hand until the coupling pin drops into the slot of the shutter dial on the camera body. You will hear

an audible click when it drops in place. To test if it is coupled properly, both the finder and the camera shutter will turn simultaneously when you turn the finder shutter dial.

**3** When using automatic diaphragm lenses on the camera, press the lens release lever and position the lens to remove it. Then, turn it back again to its original position. This action enables the diaphragm coupling pin of the TTL Pentaprism finder to couple with the diaphragm coupling slide on the front of the viewfinder frame.

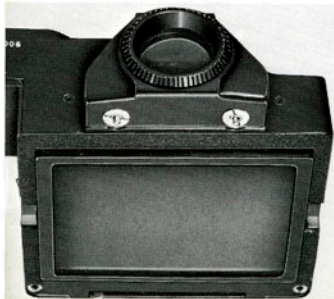


◆ Battery voltage for operating the metering system of the TTL metering finder is supplied directly from the battery inside the camera via two electrical contact pins beneath the viewfinder eyepiece which connect with the camera's electrical system.

- Once you have removed the finder, remember that you must perform step three on the preceding page. Otherwise, the finder will not couple with the lens diaphragm when using automatic diaphragm lenses. (When you changed lenses, this function is performed automatically).

● The pentaprism finder reads at full aperture with fully automatic diaphragm lenses. The same also applies when accessories are mounted over the front of the lens.

But it reads at stopped-down aperture when close-up accessories are inserted between the lens and the camera body or when manual diaphragm lenses are mounted on the camera. Be sure to set the depth-of-field lever to "MAN" when using the finder in the two situations where it reads at stopped-down aperture.





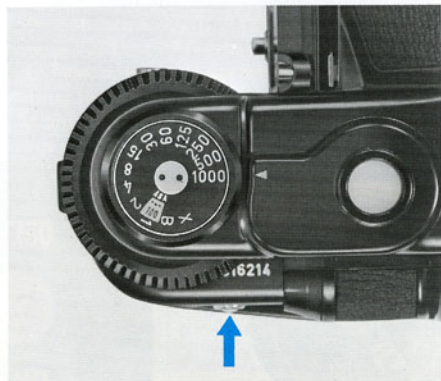


### Battery Check

Battery voltage for operating the TTL metering system of the Pentaprism Finder may also be checked with the battery check button on the camera. To check the battery press the button (indicated by the arrow). The red lamp will glow if voltage is adequate.

As more voltage is used with the Pentaprism Finder attached than when the battery is used to power the camera shutter alone, the battery should be checked more frequently.

Battery life also depends greatly on the battery type and temperatures. When replacement is required, or for tips on battery care refer to the camera instruction manual.



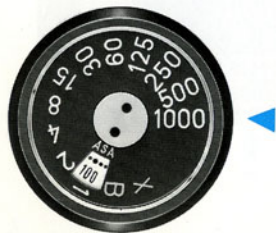
## USING THE METER

**1** Lift the outer ring of the shutter speed dial of the finder and rotate it until the ASA rating of the film loaded in the camera appears in the ASA window. (The chart on the adjacent page gives the ASA values for the dots in-between the numbered indications.)

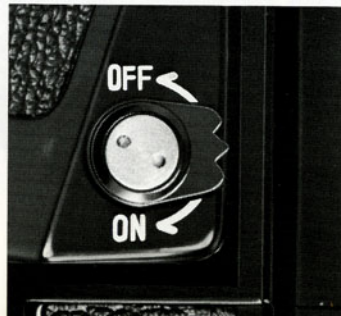
**2** Turn the meter on by sliding the switch to the ON position. The meter will remain on for approximately 30 seconds. You may also turn the meter off immediately after you have made your reading to save on the battery.

**3** Focus in the usual manner. Look in the finder eyepiece at small indicator window at the bottom. To set the correct exposure, adjust the lens aperture ring or shutter speed dial until the needle matches the index mark. Additional adjustments in focus may also be made after you adjust the exposure.

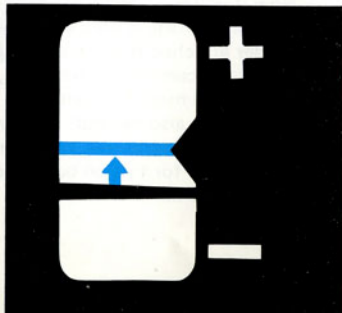
1



2



3





## PRECAUTIONS

When the needle remains beside the (—) mark, even after you turn the switch on to adjust the exposure, the cause may lie with the one of the following.

- You did not position the lens for removals as indicated in step 3 of "Attaching the Finder" on page 4 of this manual.
- The finder is not attached securely to the camera and proper electrical contact is not being made.
- There is no battery in the camera, the battery is dead or proper contact is not being made. If several seconds have elapsed, the battery voltage may have switched off automatically (in this instance, set the meter switch to OFF and back to ON.)
- The depth-of-field preview lever is still set to "MAN" with fully automatic diaphragm lenses.
- The lens is not mounted properly on the camera body.



Do not throw the used battery into excessive heat or fire to guard against explosion. Remove the battery when not using the finder for long periods of time to guard against leakage. Always keep batteries out of the reach of children.

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	11						
DIN	36	33	30	27	24	21	18	15	11							

## METER COUPLING 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													
- (25)													
32													
- (40)													
- (50)													
64													
- (80)													
100													
- (125)													
- (160)													
200													
- (250)													
- (320)													
400													
- (500)													
- (640)													
800													
- (1000)													
- (1250)													
1600													
- (2000)													
- (2500)													
3200													

Meter coupling range

The unshaded area is the meter coupling range for the TTL Pentaprism Finder, while the darkly shaded area exceeds the camera's metering range. Even though the finder needle may indicate correct exposure, it will not be obtained when the exposure values are out of coupling range of the meter. Exposures in the lightly shaded area in the X column require a shutter speed of 4 seconds. In this instance, do not make the exposure at X, which is 1/30 second. Set the shutter dial to B and make a 4 second time exposure.

- When the exposure exceeds the capabilities of the meter, the needle will remain in the + or - exposure range to some extent, even after adjusting the lens aperture or shutter speed.





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