

# Pentax ESII

Posted 11-13-'02

This camera manual library is for reference  
and historical purposes, all rights reserved.

This page is copyright by [mike@butkus.org](mailto:mike@butkus.org), M. Butkus, NJ.

This page may not be sold or distributed without  
the expressed permission of the producer  
I have no connection with any camera company.

On-line camera manual library

**If you find this manual useful, how about a donation of \$3 to:**

**M. Butkus, 29 Lake Ave., High Bridge, NJ 08829-1701  
and send your e-mail address so I can thank you.**

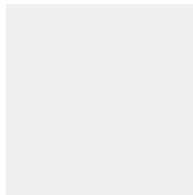
**Most other places would charge you \$7.50 for a electronic copy  
or \$18.00 for a hard to read Xerox copy.**

**This will help me to continue to host this site,  
buy new manuals, and pay their shipping costs.**

**It'll make you feel better, won't it?**

**If you use Pay Pal, use the link below.**

**Use the above address for a check, M.O. or cash.**



[www.PayPal.me/butkus](http://www.PayPal.me/butkus)

Venmo @mike-butkus-camera

[Back to main camera manual page](#)

---



## INDEX

Introduction -	Depth-of-field preview lever
Nomenclature	Mechanical shutter
Specifications	Film loading
How it works	Camera holding
Film loading and winding	Battery insertion and check
Setting ASA film speed — Film type reminder dial	Self-timer Flash synchronization
Exposure factor control dial	Depth-of-field guide
Diaphragm setting	Depth-of-field table
Compose and focus	SMC Takumar 50mm lens
TTL metering and automatic shutter	Infra-red photography
Viewfinder blinds	Multiple exposure - Important notes
Open-aperture or stop-down reading	Guide book for Asahi Pentax system of photography
	Warranty policy

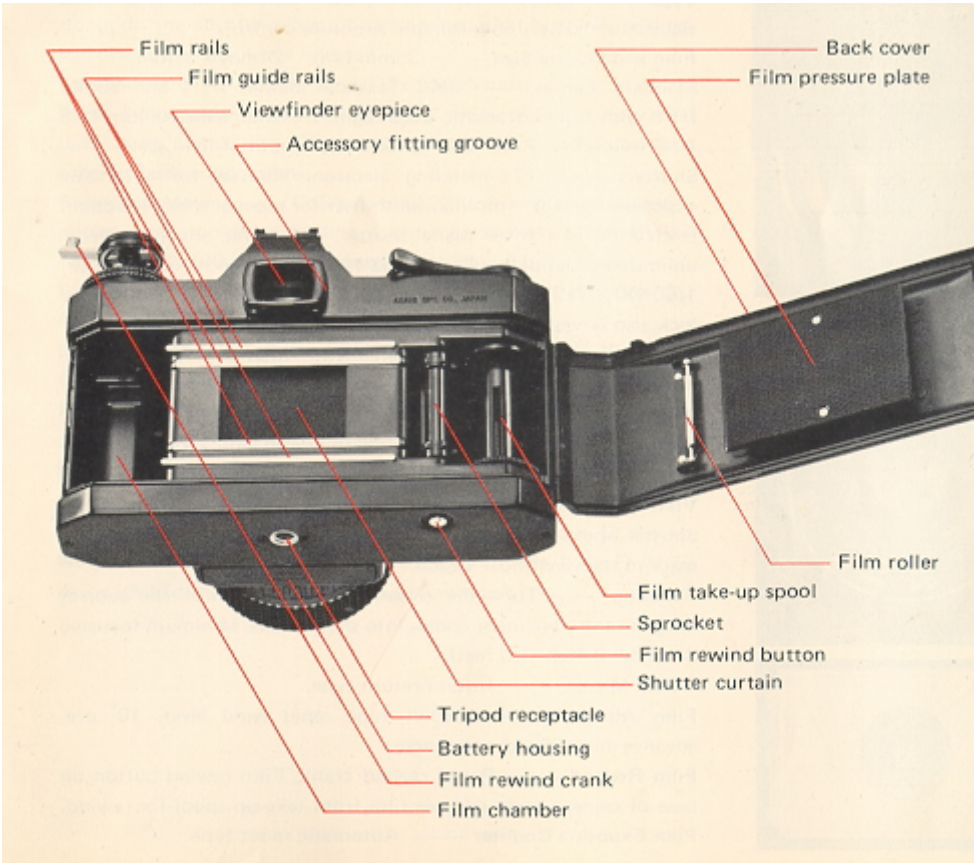
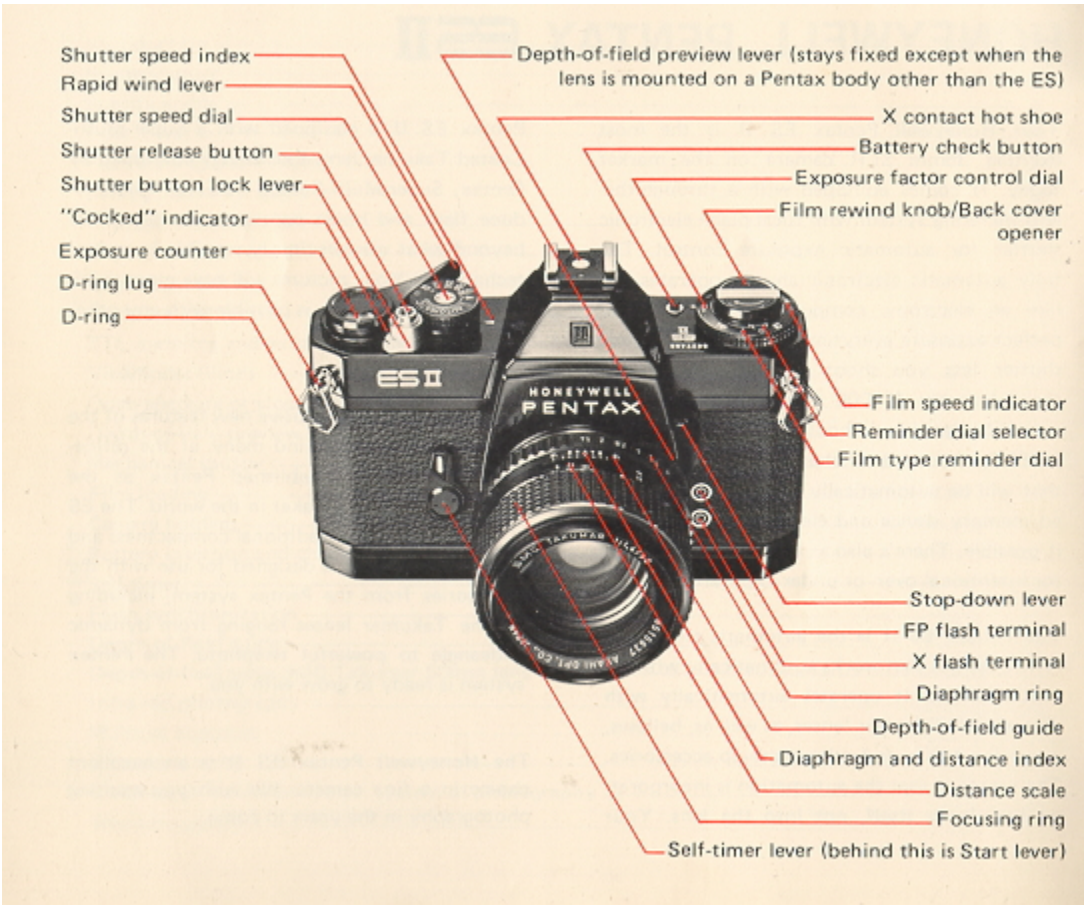
## HONEYWELL PENTAX ESII:

Your Honeywell Pentax ES II is the most exciting 35mm SLR camera on the market today, It comes equipped with a through-the-lens metering system with focal-plane electronic shutter for automatic exposure control. The fully automatic electronic shutter operates just like an electronic computer assuring you of perfect exposure every time. This new electronic shutter lets you shoot automatically at any speed between 1/1000 and 8 seconds! If the exact shutter speed should be 1/459, 1/733 or 1/952 seconds, then that's the shutter speed that will be automatically selected. Our patented memory device and electronic shutter make it possible. There's also an exposure control dial for intentional over- or under-exposures.

The Pentax ES II is the automatic single-lens reflex camera that works automatically without special lenses. It operates automatically with virtually all Takumar lenses, as well as, bellows, extension tubes, and other close-up accessories. The reason is that the automation is incorporated into body itself, not into the lens. Your Pentax ES II is equipped with a Super-Multi-Coated Takumar lens. Exclusively developed by Pentax, Super-Multi-Coated Takumar lenses reduce flare and boost contrast to a degree far beyond what was previously possible in optical technology. Your pictures will have more detail and richer colors than is possible with any other system at any price.

In addition to the exclusive new features of the Pentax ES II, you'll find many of the refinements that have established Pentax as the leading fine camera maker in the world. The ES II retains the same traditional compactness and classic feel. It also is designed for use with the accessories from the Pentax system, including all the Takumar lenses ranging from dynamic wide angle to powerful telephoto. The Pentax system is ready to grow with you.

The Honeywell Pentax ES II is an excellent choice in a fine camera. We wish you exciting photography in the years to come.

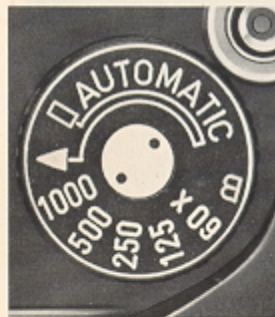


## SPECIFICATIONS:

**Type:** 35mm TTL-metering SLR camera with focal-plane electronic shutter for automatic exposure control.

**Film and Picture Size:** 35mm film. 24mm x 36mm.

**Standard Lenses:** -- SMC Takumar 50mm f/1.4 and 55mm f/1.8 with fully automatic diaphragm. Distance scale: 0.45m (1.5 feet) to infinity. Filter size: 49mm. With depth-of-field scale.



**Shutters:** TTL-metering electronic shutter for automatic exposure control + mechanical shutter for manual speed selection. Horizontal run focal plane shutter.

Electronic shutter speeds: unlimited variation between 8 and 1/1000 sec. Mechanical shutter: 1/60 (X), 1/125, 1/250, 1/500, 1/1000 sec. Shutter button safety lock also serves for Time exposure.

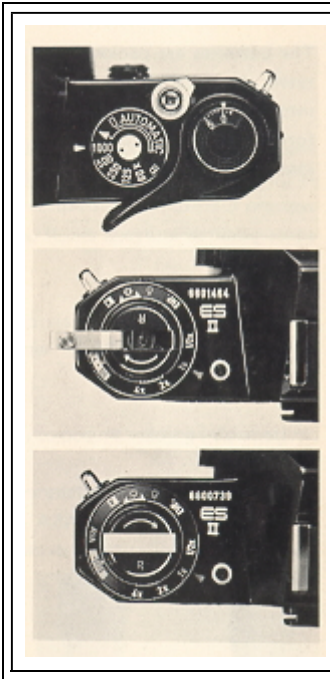
**Self-timer:** Built-in self-timer with interrupt function. Releases shutter in 5 - 11 sec.

**Viewfinder:** Eye-level pentaprism finder with Fresnel lens + microprism. 0.89x magnification with 50mm lens. Life-size magnification with 55mm lens. --1.0 dioptic. 93% viewfinder coverage. Viewfinder blinds can be closed in automatic shutter mode. Shutter speed calibration, TTL meter needle and battery check mark in the viewfinder screen.

**Focusing:** -- Turn the distance scale ring until the subject image in the viewfinder comes into sharp focus. Minimum focusing distance: 0.45m (1.5 feet).

**Reflex Mirror:** Instant return type.

**Film Advance:** Ratchet type rapid wind lever. 10° pre-advance and 160° advance angle.



**Film Rewind:** Rapid rewind crank. Film rewind button on base of camera body releases film from take-up spool for rewind.

**Film Exposure Counter:** Automatic re-set type. Wound Indicator A red disk appears in a small window alongside the shutter release button when the shutter is wound, and blacks out when it is released.

**Lens Mount:** 42mm thread (Pentax-mount). Flash Synchronization FP + X contacts for conventional flash cord connection. X contact on hot shoe for convenient cordless flash connection.

**Exposure Meter:** CdS-activated TTL meter for open-diaphragm and stop-down reading. Light measurement range: EV1 -- 18 with ASA 100 film. ASA speed scale: 20 -- 3200.

**Exposure Factor:** Control Dial -- 1X for normal exposure. 2x, 4x, 1/2X for international over- or under-exposure.

**Power source:** Four 1.5V silver oxide batteries (Eveready S76E or Mallory MS-76H).

**Film Type:** Indicator (black & white), \* (color daylight), 8 (color tungsten) and EMP. (empty).

**Dimension:** With 50mm lens: width 143mm (5.6") x height 98mm (3.9") x thickness 93mm (3.7"). With 55mm lens: width 143mm (5.6") x height 98mm (3.9") x thickness 90mm (3.5").

**Weight:** 930g (1 lb. 14 oz.) with 50mm lens. 879g (1 lb. 12oz.) with 55mm lens. 678g (1 lb. 6 oz.) without lens.

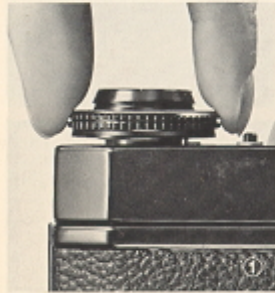
## HOW IT WORKS



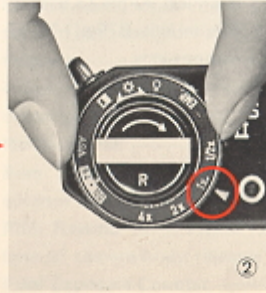
The batteries are packed separately. Be sure to insert them into the battery housing before operating the camera. For insertion, refer to page 20.

1. Load your film and set ASA film speed.
2. Keep this at "1X" for normal exposure.
3. Pre-select f/stop.
4. Set shutter speed dial at "AUTOMATIC".

1. Load your film and set ASA film speed.



2. Keep this at "1x" for normal exposure.



3. Pre-select f/stop.





4. Set shutter speed dial at "AUTOMATIC".

5. Depress shutter release button completely.

9. Memory device automatically releases electronic shutter.

5. Keep this lever down for open-aperture exposure reading. (Lens aperture stays fully open, and stops down to pre-selected f/stop as you depress shutter release.) Move it up for depth-of-field preview or for stop-down exposure reading. (Lens aperture actually stops down to pre-selected f/stop.)

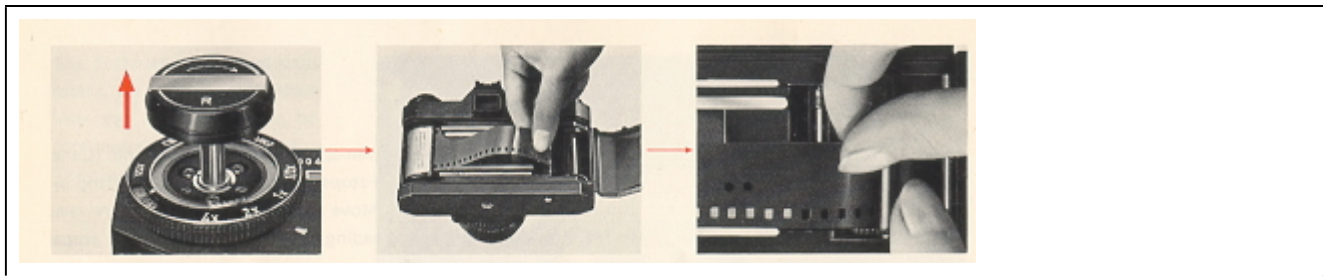
6. TTL meter reading. Softly depress shutter button. Electric circuit is now switched on. Meter needle starts moving and indicates correct shutter speed.

7. Electronic memory device stores exposure reading information.

8. Depress shutter release button completely.

9. Memory device automatically releases electronic shutter.

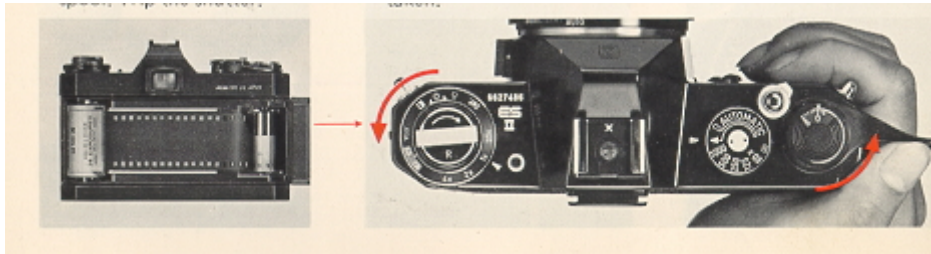
**FILM LOADING AND WINDING**



1. Open the back by pulling out the rewind knob until the back cover snaps open.

2. Place the film cassette properly into the cassette chamber, and push down the rewind knob. Insert the film leader into the slot of the take-up spool.

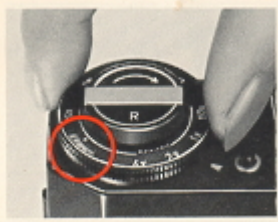
3. Advance the film by alternately turning the rapid wind lever and depressing the shutter button until both sprockets engage the film perforations properly. Close the back by pressing it firmly.



4. Wind the rapid wind lever, and confirm that the film rewind knob automatically turns counter-clockwise, indicating that the film is properly loaded and is moving from cassette to take-up spool. Trip the shutter.

5. The first portions of the film cannot be used for picture taking as they have already been exposed to light. Generally, two or three blank exposures should be made before taking your first picture. Therefore, advance the film until the exposure counter turns to "1", indicating that the first picture is ready to be taken.

## SETTING ASA FILM SPEED



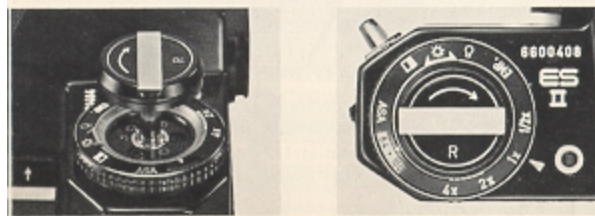
The ASA film speed is given in the data sheet packed with each roll of film. The higher the ASA number, the more sensitive the film.

Lift the outer ring of the exposure factor control dial, and turn it until the same number as the ASA number of the loaded film appears in the ASA speed indicator window.

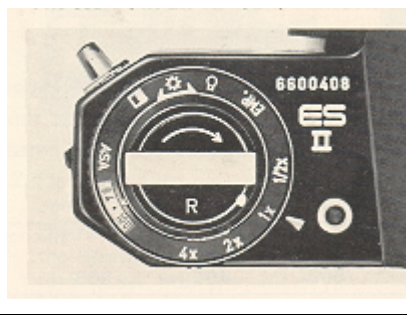
ASA	3200	1600	800	400	200	100	64	50	40	25
DIN	36	33	30	27	24	21	18	15		

## FILM TYPE REMINDER DIAL

Use this dial as a reminder of the type of film loaded. To set the dial, pull out the rewind knob softly, and move the selector to \* for daylight type color film, 8 for tungsten type color film, 1 for black-and-white and EMP. when the film is not loaded.

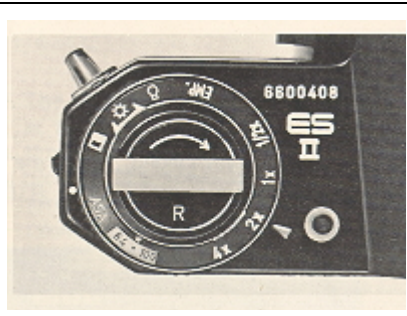


# EXPOSURE FACTOR CONTROL DIAL

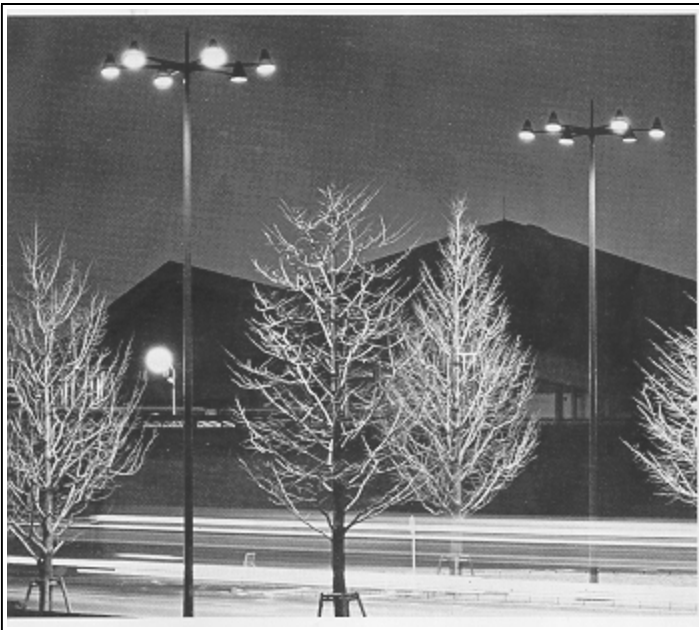


The scale (4x 2x 1X 1/2x) indicates exposure factor.

Turn the outer ring of the film type dial, and set 1x against the orange arrow for normal exposures.



Use this control only when necessary to give intentional over- or under-exposures within the range of these factors while working on "AUTOMATIC". For example, set the dial at 2x or 4x when shooting against the light, and at 1/2X against dark backgrounds. In addition, the dial can be set between the indicated positions to achieve more specific exposure control.



## DIAPHRAGM SETTING

Set the shutter speed dial at “AUTOMATIC”.

Rotate the diaphragm ring to pre-select the desired aperture such as follows:

Fine weather f/8 — f/11

Cloudy weather f/4 - f/5.6

Indoor f/2 ff2.8

This is a rough guide to acquaint you with the automatic shutter operation. As you get used to it, you will have your own yardstick for aperture pre-selection depending on your subject and lighting conditions.

The shutter speed of the ES II is automatically determined at any speed within the range of 8 to 1/1000 sec. according to the brightness of your subjects.

## COMPOSE AND FOCUS

While viewing through the viewfinder, turn the focusing ring until your subject comes into sharp focus. Pentax viewfinders have a Fresnel lens with a microprism center underneath the ground glass. As you look through the finder, you will see that the Fresnel lens consists of many concentric rings which provide the brightest possible image on the ground glass. The microprism is the center portion of this diagram. When your subject is in focus, the image in the microprism will be sharp and perfectly clear. If your subject is not in focus, the microprism will break the image into many small dots, much like an engraver's screen. You can focus your subject on any portion of the ground glass.



# TTL METERING AND AUTOMATIC SHUTTER



For full-aperture reading, be sure that the stop-down lever is DOWN

The broader figures 2, 4 and 8 in the shutter speed calibration mean 2, 4 and 8 seconds respectively. The electronic shutter of the ES II is guaranteed to work properly down to 8 seconds.

After winding the rapid wind lever, press the shutter release button lightly to switch on the electric circuit. The meter needle in viewfinder indicates the correct shutter speed.

If the needle does not drop to "1000", stop down the lens diaphragm.

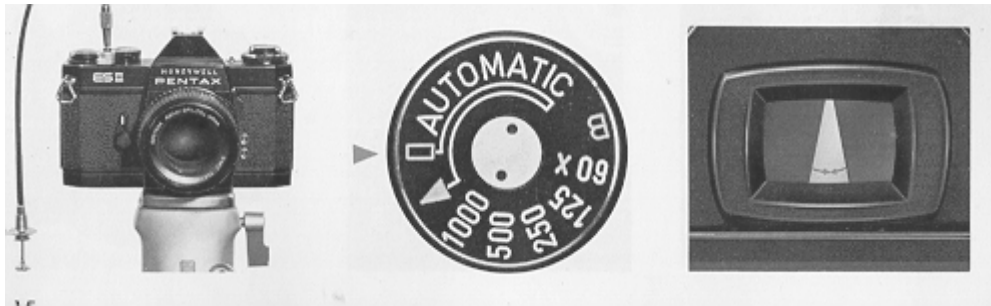
## CAUTION:

At slow speeds slower than 1/30 sec. - put your camera on a solid support or use a tripod to prevent camera movement.

Depress the shutter release button completely when ready to take your picture. When the shutter is released and your finger is off the shutter button, the meter circuit is off and the needle will return to the top of the scale.



Your ES II is provided with a shutter lock. To prevent accidental shutter release, lock the shutter release button by moving the lock lever to the left. An "L" becomes visible.



### VIEWFINDER BLINDS

Inside the eyepiece of your ES II are convenient viewfinder blinds to shut out stray light which may enter the viewfinder from the rear.

When using a self-timer or working in close-up, macrophotography, tripod-mounted telephotography, etc. with your eye off the viewfinder close the blinds by setting the shutter speed dial at "AUTOMATIC."

## OPEN-APERTURE OR STOP-DOWN READING

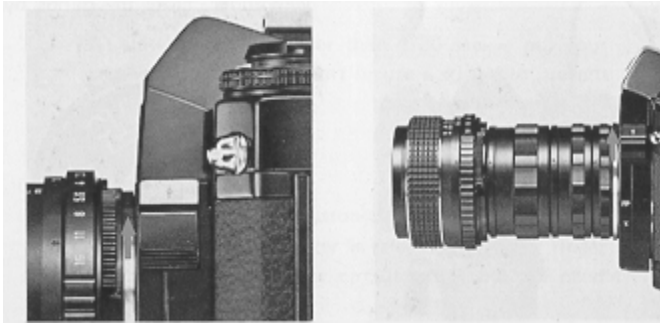


With the new SMC Takumar lenses with the diaphragm coupling lever (1), mounted directly on the ES II camera body, the TTL meter reads exposure through the full-open aperture for correct automatic exposure. For open-aperture reading, the stop-down lever should be DOWN.

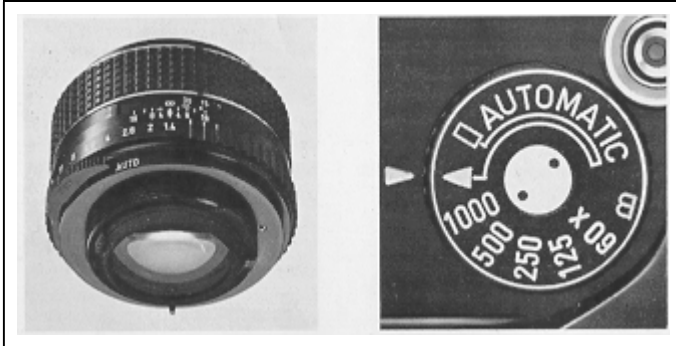
With all other lenses, or when using Extension Tubes, Bellows Unit or Microscope adapter, remember always to push up the stop-down lever for stopped-down aperture reading and correct automatic exposure.

The SMC Takumar 85mm f/1.9 (bottom, left) and SMC Takumar Zoom 85mm-210mm lenses do not have the diaphragm coupling lever (1); therefore, they should be used on the ES II for stop-down reading. CAUTION: All SMC Takumar lenses up to 300mm except the above two are designed for open-aperture reading. When directly mounted on the ES II, they will give correct exposure readings at full aperture. Do not try to take meter readings at stopped-down aperture, as this will indicate different shutter speeds.

Also remember that the TTL metering does not work unless the shutter dial is set at "AUTOMATIC".



## DEPTH-OF-FIELD PREVIEW LEVER



The preview lever on the lens should always be set to “AUTO” when the lens is used on the ES II. The lever has an interlock that prevents it from being set to “MAN” when mounted on the ES II. When mounted on a Pentax camera other than the ES or ES II, the lever will operate normally.

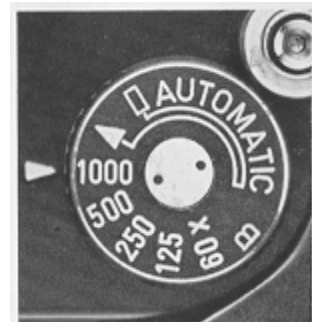
## MECHANICAL SHUTTER

In addition to the electronic shutter for automatic exposure control, the ES II has a mechanical shutter for speeds: 1/60 X for electronic flash synchronization, 1/125, 1/250, 1/500, 1/1000 sec. plus B (Bulb).

To operate at any one of these speeds, just turn the shutter dial from “AUTOMATIC” to the desired speed setting. Now the electric circuit and TTL meter circuit are off.

To make an exposure longer than 8 seconds, set the shutter dial at B. The shutter will stay open as long as you depress the shutter button. As you release your finger from the shutter button, the shutter closes.

For extremely long exposures, set the shutter lock by moving the lever to the left while depressing the shutter button. Alternately, use a cable release with a locking device.



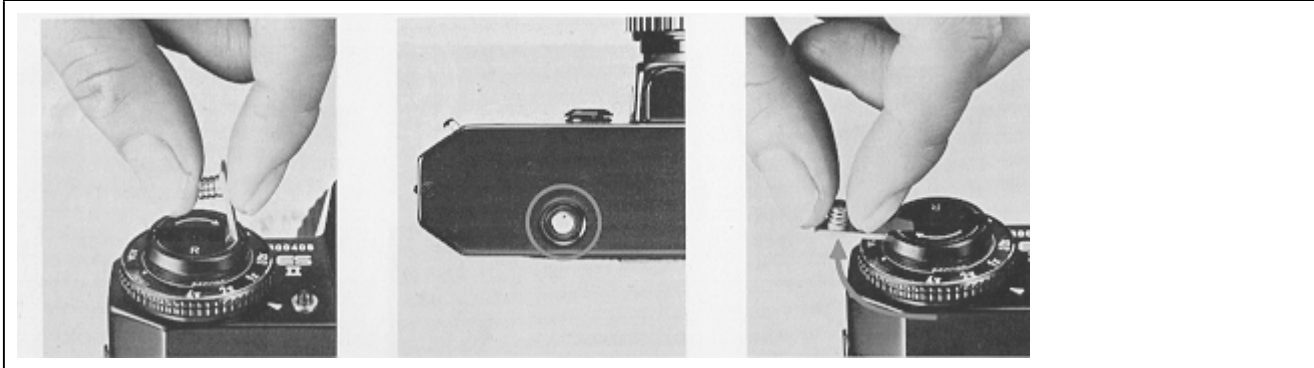
## FILM UNLOADING

After the final picture on the roll has been taken, the rapid wind lever will not turn, indicating that the film must be rewound.

Lift the rewind crank up. Depress the film rewind release button and turn the rewind crank as indicated to rewind the film into its cassette. Rewind until the tension on the crank lessens, indicating that the leader end of the film has been released from the take-up spool.

Pull out the film rewind knob (the back will open automatically), and remove the film cassette.

**AVOID DIRECT LIGHT  
WHEN LOADING OR  
UNLOADING THE FILM.**



## CAMERA HOLDING

As a general rule, your camera should be held more firmly by the left hand which does not release the shutter. If you hold your camera with the right hand - the hand which releases the shutter — it may cause camera movement. Very often, blurred pictures are due to movement of the camera.

When you focus with the camera held horizontally (Position A), hold the lens barrel as illustrated. Cradle the camera with your left hand thumb and little finger. Turn the focusing ring with your thumb and index finger. When holding the camera vertically, some people release the shutter with the thumb (Position B), while others release it with the index finger (Position C). Position C is more desirable for fast focusing and shooting. With the Pentax, whether held vertically or horizontally, you see your subject through the lens, enabling you to compose, focus and shoot with a minimum of time and effort.

### Horizontal position A.

Hold the camera firmly with your left hand, and draw your arms close to your body.

### Vertical position B.

Hold your camera tightly to your forehead with your left hand, and draw your right arm close to your body.

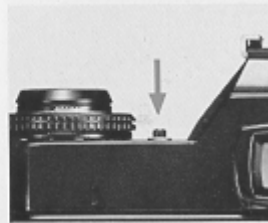
### Vertical position C.

Hold your camera tightly to your forehead with your left hand, raise your right arm and draw your left arm to your body.



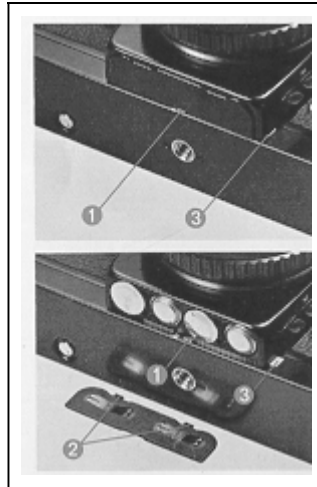
## BATTERY INSERTION AND CHECK

Four 1.5V silver oxide batteries (Eveready S76E or Mallory MS-76H) power the TTL meter and electronic shutter of the ES II. The power circuit is on only when you depress the shutter release button (lightly for meter reading and completely for electronic shutter) with the shutter speed dial set at "AUTOMATIC". When not operating the camera, be sure to keep the shutter dial off the "AUTOMATIC" settings, or use the shutter lock to prevent waste of battery power when accidentally touching the shutter release button.



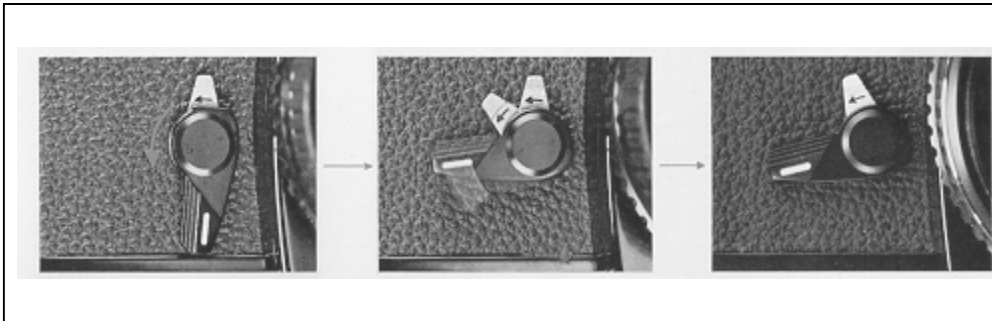
To insert the batteries, open the battery housing cover on the bottom of the lens mount by shifting the cover release pin (1) to the right with a matchstick or the like.

Insert four batteries, making sure that each battery correctly faces the (+) (—) marks inside the housing. Close the cover by first inserting the two hooks (2) into the grooves. Push the battery housing lock pin (3) in. One set of batteries lasts about one year. To check the life, set the shutter dial at “AUTOMATIC”, and while looking through the viewfinder, push the battery check button next to the exposure factor control dial. If the meter needle drops to the center notch, the batteries have sufficient capacity. If it does not, replace all four batteries.



## SELF-TIMER

The self-timer of the ES II releases the shutter after 5 — 11 seconds, depending upon how far anti-clockwise you turn the winding lever. When using the self-timer, do not depress the shutter release button . . it will immediately release the shutter without delayed action.



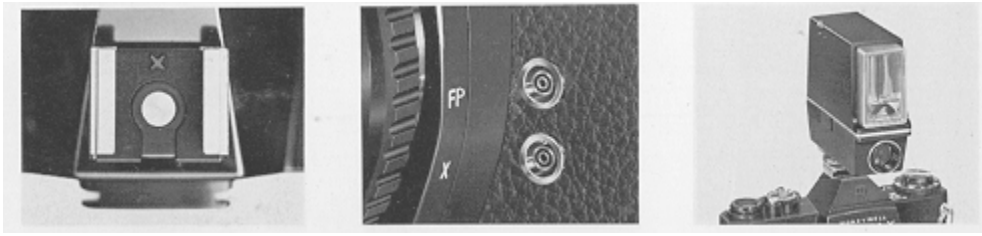
Turn the winding lever down 90 degrees - 180 degrees. Move the self-timer start lever as indicated . . - the self-timer will start operating.

This self-timer has a unique interrupt function. Even after the self-timer has started to run, you can stop it by moving the start lever back to normal position as long as the winding lever is between 180 and 90. You can re-start the self-timer by turning the winding lever down again and moving the start lever over.

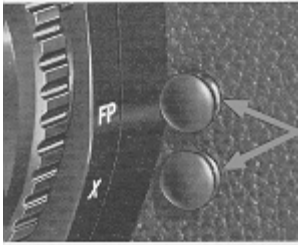

Do not leave the winding lever in “interrupt” position for an extended period, as this may damage the spring.

**Caution: Do not throw a dead battery into fire, as it may explode. Also, keep it beyond the reach of small children.**

**FLASH SYNCHRONIZATION** The Pentax ES II has FP and X terminals at the front of the camera body, and an additional X contact in the hot shoe atop the pentaprism housing. As indicated in the table, set the shutter dial at 1/60 X for electronic flash, with the flash cord plugged into the X terminal. Set the shutter dial at 1/60 or faster for FP class flash bulbs, with the cord plugged into the FP terminal.



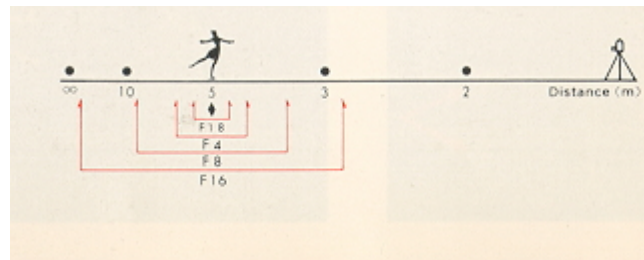
Use the hot shoe flash contact when using a shoe-mount electronic flash like a Honeywell Auto Strobonar with a flash contact on the foot. In this case, there is no need to plug the flash cord into the X terminal on the body front. The hot shoe flash contact turns to “hot” (switched on) only when you insert a shoe-mount electronic flash. It remains “cold” (disconnected) even when using an electronic flash with its cord plugged into the X terminal on the body front. This eliminates the danger of electric shocks.

	<p>When not using these terminals, keep the plugs inserted.</p>	
--	---	---

## DEPTH-OF-FIELD GUIDE

Depth of field is the range between the nearest and farthest distances which are in focus at a given lens aperture. If you want to know how great the depth of field is at a certain aperture, look at the depth-of-field guide. In the photograph below, the distance scale is set at 5 meters. . . the lens is focused on a subject 5 meters away. The calibrations on each side of the distance index correspond to the diaphragm setting and indicate the range of in-focus distance for different lens apertures. For example, if the lens opening of ff4 is to be used, the range on the distance scale ring covered within the figure 4 on the depth-of-field guide indicates the area in focus at that lens opening. You will note from the depth-of-field guide in the photograph that the range from approximately 4.5 to 6.5m is in

focus. Note that as the lens apertures change, the effective depth of field also changes. For the depth of fields at different apertures and distances, refer to the next page.



Distance scale F setting	0.45m	0.6m	1m	1.5m	2m	5m	10m	∞
F1.4	0.45 ~ 0.453	0.59 ~ 0.61	0.98 ~ 1.02	1.46 ~ 1.54	1.93 ~ 2.07	4.57 ~ 5.52	8.40 ~ 12.36	51.75 ~ ∞
F2	0.45 ~ 0.454	0.59 ~ 0.61	0.98 ~ 1.02	1.45 ~ 1.56	1.90 ~ 2.11	4.41 ~ 5.78	7.86 ~ 13.75	36.24 ~ ∞
F2.8	0.44 ~ 0.46	0.59 ~ 0.61	0.97 ~ 1.03	1.43 ~ 1.58	1.87 ~ 2.16	4.21 ~ 6.16	7.24 ~ 16.19	25.90 ~ ∞
F4	0.44 ~ 0.46	0.59 ~ 0.62	0.95 ~ 1.05	1.40 ~ 1.62	1.81 ~ 2.23	3.94 ~ 6.84	6.48 ~ 22.05	18.14 ~ ∞
F5.6	0.44 ~ 0.46	0.58 ~ 0.62	0.94 ~ 1.07	1.36 ~ 1.68	1.75 ~ 2.34	3.64 ~ 8.03	5.68 ~ 42.68	12.97 ~ ∞
F8	0.44 ~ 0.47	0.57 ~ 0.63	0.91 ~ 1.11	1.24 ~ 1.89	1.66 ~ 2.52	3.26 ~ 10.87	4.80 ~ ∞	9.10 ~ ∞
F11	0.43 ~ 0.47	0.56 ~ 0.65	0.88 ~ 1.15	1.30 ~ 1.77	1.56 ~ 2.80	2.88 ~ 19.53	4.02 ~ ∞	6.63 ~ ∞
F16	0.42 ~ 0.48	0.54 ~ 0.67	0.84 ~ 1.24	1.16 ~ 2.16	1.42 ~ 3.42	2.42 ~ ∞	3.16 ~ ∞	4.57 ~ ∞

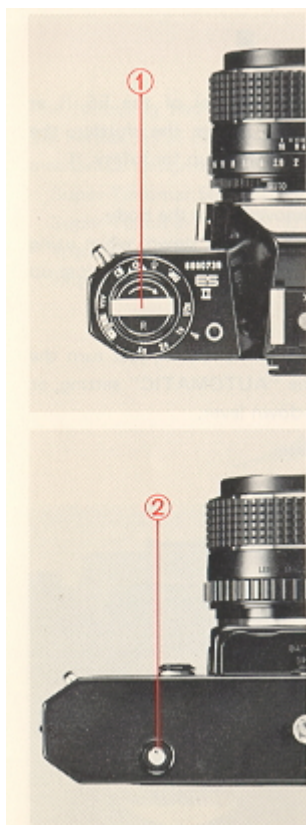
Distance scale F setting	1/6"	2'	3'	5'	10'	15'	30'	∞
F1.4	1' 6.12" 1' 6.13"	1' 11.8" 2' 0.2"	2' 11.5" 3' 0.6"	4' 10.4" 5' 1.7"	9' 5.6" 10' 7.2"	13' 9.7" 16' 4.9"	25' 6.6" 36' 4.2"	169' 9.2" ~ ∞
F2	1' 5.9" 1' 6.1"	1' 11.6" 2' 0.4"	2' 11.3" 3' 0.8"	4' 9.8" 5' 2.4"	9' 3.1" 10' 10.6"	13' 4.3" 17' 1.2"	24' 0.2" 39' 11.8"	118' 3.5" ~ ∞
F2.8	1' 5.8" 1' 6.2"	1' 11.5" 2' 0.5"	2' 10.9" 3' 1.1"	4' 9" 5' 3.4"	8' 11.9" 11' 3.2"	12' 9.6" 18' 1.4"	22' 3" 46' 1.4"	84' 11.6" ~ ∞
F4	1' 5.6" 1' 6.4"	1' 11.4" 2' 0.6"	2' 10.6" 3' 1.7"	4' 7.7" 5' 7"	8' 7.4" 11' 11.2"	12' 0.6" 19' 11"	20' 0.4" 59' 11.6"	59' 6.4" ~ ∞
F5.6	1' 5.5" 1' 6.5"	1' 11.2" 2' 1"	2' 10" 3' 2.3"	4' 6.2" 5' 7.2"	8' 1.9" 12' 11.2"	11' 2" 22' 10.7"	17' 8.3" 100' 1.3"	42' 6.8" ~ ∞
F8	1' 5.4" 1' 6.6"	1' 10.8" 2' 1.3"	2' 9.1" 3' 3.4"	4' 4.1" 5' 10.9"	7' 6.8" 14' 9.5"	10' 1" 29' 7.2"	15' 0.7" ~ ∞	29' 10.2" ~ ∞
F11	1' 5.2" 1' 7"	1' 10.4" 2' 1.9"	2' 8.2" 3' 4.8"	4' 1.6" 6' 4.2"	6' 11.3" 18' 0.6"	8' 11.8" 46' 9.7"	12' 8.4" ~ ∞	21' 9" ~ ∞
F16	1' 4.8" 1' 7.3"	1' 9.7" 2' 2.9"	2' 6.7" 3' 7.6"	3' 10" 7' 3"	6' 1.2" 28' 7.6"	7' 7.2" ~ ∞	10' 1" ~ ∞	15' ~ ∞

## INFRA-RED PHOTOGRAPHY



If you intend to take infra-red photographs, remember to use the infra-red index marked with an orange line or a small “R” on the depth-of-field guide. First, focus your lens on your subject. Determine the lens-to-subject distance from the distance scale. Then match your lens-to-subject distance to the infrared index by turning the distance scale accordingly. For instance, if your subject is in focus at infinity, turn the distance ring and move the infinity (∞) mark to the index.

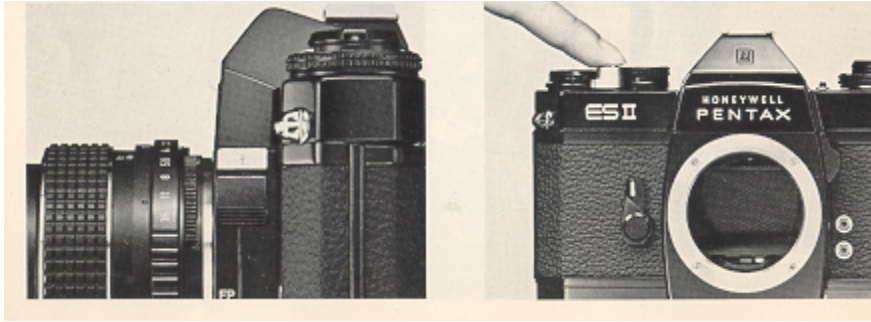
## MULTIPLE EXPOSURE



For deliberate multiple exposures, make the first exposure in the normal way. Then tighten the film by turning the rewind knob (1), and keep hold of the rewind knob. Depress the film rewind release button (2) and wind the rapid wind lever. This winds the shutter without advancing the film. Finally, release the shutter to make the second exposure. Then make one blank exposure, before taking the next picture, to avoid overlapping. Registration of the exposure counter may not be exact.



# IMPORTANT NOTES



Always keep the stop-down lever down for open-aperture reading. Also, be sure to keep it down when interchanging lenses; otherwise, the automatic diaphragm pin of the lens will hit the diaphragm activating lever in the body. Move it up only when checking the depth of field or using stop-down metering lenses or Extension Tubes, Bellows Unit, etc. inserted between the lens and the camera body.

If you set the shutter dial of the ES II at “AUTOMATIC” and release the shutter, the reflex mirror will be locked up for safety, if 1) the lens cap is on.  
2) the lens is removed from the body.  
3) the stop-down lever is down, when using stop-down metering lenses or close-up accessories.

To bring the reflex mirror down, just turn the shutter dial off the “AUTOMATIC” setting, or move up the stop-down lever.



The following two lenses will not properly fit the Pentax ES II camera body due to different mechanical design and construction:

Super-Takumar 50mm f/1.4  
Super-Takumar 55mm f/1.8 (with “1.8” engraved at the left end of the diaphragm ring and “16” at the right.)

The length of a tripod's screw should not exceed the normal length of 4.5mm (3/16”). Do not extend it longer than this length when mounting your camera on a tripod. Forcing longer screws into the tripod receptacle of the camera will damage the mechanism.

## **SPECIAL CAUTION:**

Takumar lenses and Pentax accessories are engineered and meticulously produced for Pentax use. Use of other brands may cause difficulties with the Pentax, for which we cannot assume any liability.

**GUIDE BOOK FOR HONEYWELL PENTAX SYSTEM OF PHOTOGRAPHY** The operating manual for the Honeywell Pentax cameras is merely an instruction book for the proper care and operation of the Honeywell Pentax cameras. It does not, and can not, deal fully with every possible application of the Honeywell Pentax System of Photography because those applications are almost limitless. The following book is therefore recommended to those amateurs who are eager to learn more about the Honeywell Pentax System of Photography and photographic technique in general. It is available in English, German, Italian and Spanish languages, and each can be obtained from your photo dealers or directly from the publishers listed on the next page.

**“THE HONEYWELL PENTAX WAY”** by Herbert Keppler Herbert Keppler has been associated with the U.S. photographic magazine *Modern Photography* for over 15 years as its editor and publisher. His column devoted exclusively to single-lens reflex cameras and photography is very famous throughout the world. He is well known for his objective outlook on all things photographic and for his healthy mistrust of any theory that he has not tried out in practice. He has no interest in pushing the products of any particular manufacturer and brings to the Honeywell Pentax Way a knowledgeable, independent and unprejudiced outlook.

This comprehensive book deals mainly with the following subjects:

**OPERATION AND TECHNIQUE:** action, aperture, artificial light, camera care, carrying, choosing films, close-ups, copying, depth of field, developers, exposure, exposure meter, films, film speed, filters, flash, focal length, focusing, holding, lighting, loading, long-range work, monocular, multiple flash, perspective, printing, shooting, slide projection, Spotmatic operation, storing negatives, telescope, tripod, unloading, viewing.

**ACCESSORIES:** accessory clip, bellows unit, body cover, cable release, cassettes, close-up lenses, copying unit, exposure meters, extension tubes, focusing magnifier, Leica adapter, lens cap, lenses, microscope adapter, prescription eyepiece, right-angle finder, slide copier, SPOT exposure meter.

**HONEYWELL PENTAX SUBJECTS:** animals, architecture, birds, candid, cinema, fireworks, flowers, groups, lights, low light, nature, night, portraits, scenic, sports, television, theater, travel, under water, wildlife.

**FINDING DATA:** close-up exposure, color temperature, depth of field, extension bellows, extension tubes, feet-meter conversion, films, film speed conversion, filters, filter equivalent, filters for color film flash

## WARRANTY POLICY

Your new Honeywell Pentax ES II is warranted for one year against defects in material or workmanship. This covers either the original purchaser or the gift recipient. Any defect in your ES II will be repaired or replaced (at our option) and defective parts will be replaced without cost to you within the 12-month period, provided the camera has not been abused, altered or operated contrary to instructions. Honeywell will not be liable for damages from delay or loss of use or other indirect consequential damages.

If your camera should require service, you may send it to the most convenient factory center listed.

## PENTAX INTERNATIONAL WARRANTY

If you intend taking your Pentax abroad during the warranty period, you may obtain a Honeywell Pentax international warranty card by writing to us. With your request, include your name, address, camera and lens serial numbers, dealer's name and address, and proof of date purchased.