

PETRI

FLEX

My Tree 1/25 @ 4
Jean 1/60 @ 5.6 fr 10ft
Woody's tree 1/30 @ 5.6 fr 10ft

V



Sign of GOOD DESIGN

INSTRUCTION BOOK

**THE SPECIAL FEATURES
OF PETRI FLEX V**

TYPE: Fully-Automatic Diaphragm Penta Prism Single Lens Reflex Camera with Instant Return Mirror.

FILM SIZE: 35mm film (20 or 36 exposures)

PICTURE SIZE: 24mm×36mm.

STANDARD LENS: PETRI 55mm F2, Color-corrected Lens.

SHUTTER: Focal Plane Shutter.

SHUTTER SPEEDS: B, 1/2, 1/4, 1/8, 1/15, 1/30, X, 1/60, 1/125, 1/250, 1/500 sec. Single-Piv Non-Rotating Dial.

VIEW-FINDER: Penta Prism Viewfinder with Built-in Micro-image Focusing.

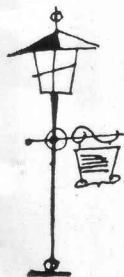
FILM TRANSPORT: Single-stroke (180°) rapid transport lever which automatically transports the film and cocks the shutter simultaneously.

INTERCHANGEABLE LENS: Bayonet Type Interchangeable Lenses can be attached to the camera.

SYNCHRONIZATION: FP & X Synchronization (JIS Type-B)

OTHER FEATURES: Automatic-Resetting Film Counter, Crank-type Film Rewinding, Built-in Selftimer etc.

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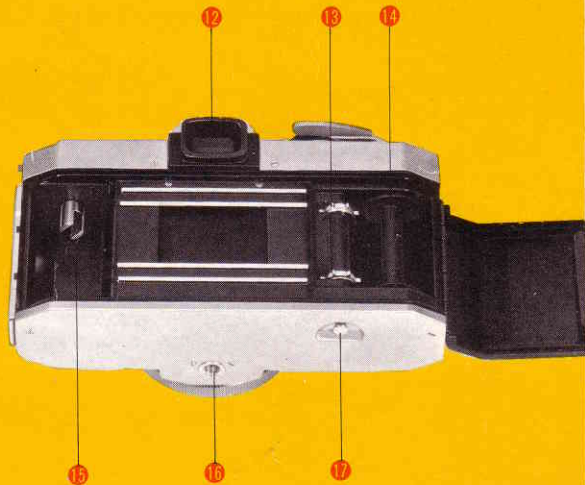


DESCRIPTION OF PARTS

1. FILM WINDING LEVER
2. SHUTTER SPEED DIAL
3. FULLY-AUTOMATIC RELEASE RING
4. SYNCHRO-SWITCH (FP & X)
5. AUTOMATIC EXPOSURE COUNTER
6. FILM REWIND CRANK
7. FLASH SOCKET
8. SELFTIMER LEVER
9. SHUTTER RELEASE BUTTON
10. PETRI F2 55mm LENS
11. NECK STRAP LOOP
12. VIEW-FINDER
13. SPROCKET
14. TAKE-UP SPOOL
15. CASSETTE CHAMBER
16. TRIPOD BUSH
17. REWIND BUTTON
18. FOCUSING RING



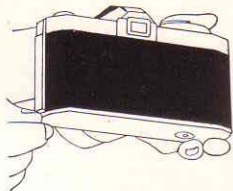
- 19. DISTANCE SCALE
- 20. APERTURE SCALE
- 21. DIAPHRAGM SCALE
- 22. MANUAL AND AUTOMATIC
DIAPHRAGM SWITCH RING
- 23. BAYONET MOUNT



GETTING READY FOR PHOTOGRAPHY

The following preparations are needed before your picture-taking....

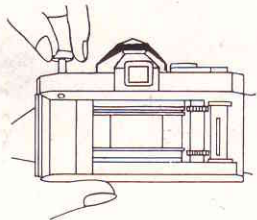
- (1) Load the film into your camera.
- (2) Advance the film and release the shutter button.
Repeat this action. (2 exposures)
- (3) Look to see if the Fully-Automatic Diaphragm Ring fits on the mark AUTO. Now you are ready to take picture.
- (4) Be sure if the lens cap is uncovered.
- (5) Adjust the exposure by setting both Diaphragm and Shutter Speed Scale.
- (6) Cock the film advance lever.
- (7) Decide the picture-composition by focusing it through the viewfinder.
- (8) Release the shutter button.
- (9) Repeat the same action (from 6 to 8) at every picture-taking.
- (10) Rewind the film when the roll of film is all exposed.



OPENING THE CAMERA BACK

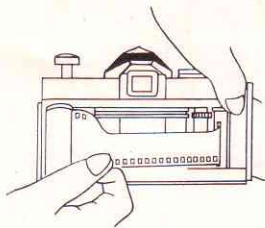
Pull down the lever with your thumbnail to open the camera back. At the same time, the film resetting counter automatically returns to zero.

FILM LOADING



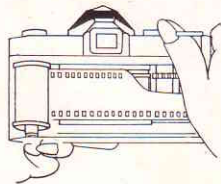
PULLING OUT THE KNOB

Pull out the film rewind knob on the top of camera. This is to allow the cassette to be put into the cassette chamber.



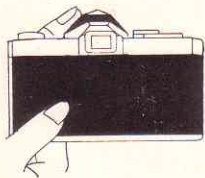
FILM LOADING

Slip the 1st perforation of film from the end into the slot on the take-up spool so that the end is fastened by fitting the perforation to the tooth of the take-up spool.



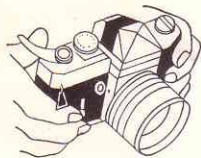
ADVANCE THE FILM LEVER

Advance the film advance lever a little to see if the spool catches the film.



CLOSING THE CAMERA BACK

The camera back will automatically be closed by pushing it.



RELEASE SHUTTER BUTTON TWICE

Release the shutter button and advance the film lever. Do this action twice, and you are ready for taking the first picture. Just release the button to take your first picture.



- A. As you open the back, the counter automatically returns to "O" point.
- B. When you release the shutter for the 1st picture, the counter shows "S" mark.

CARE IN FILM-LOADING

- Use 35mm film in cassette for PETRI FLEX V camera.
- Avoid direct sun-light and select a shaded place for film-loading.
- When you slip the end of film into the slot of the take-up spool, turn the spool so that it can catch the film perforation easily.
- As you advance the film winding lever, the film rewinding crank turns in the opposite direction to the arrow-mark if the film is properly loaded. When the film in cassette is loose, it does not turn.
- So turn the rewind crank to the arrow direction to tighten the film if you wish to test if the film is transporting correctly.
- The second advance of the film should be done just before your picture-taking.

HOW TO USE THE FILM EXPOSURE COUNTER

The FILM EXPOSURE COUNTER is the device to show the number of frame exposed. The number will be advance automatically whenever you release the shutter release button after cocking the film advance lever. Thus it always tells you accurately how many pictures you have taken. As the counter automatically resets to Zero, you do not have to worry about resetting the counter yourself after loading in a fresh film.



HOW TO LOOK THROUGH THE VIEWFINDER AND FOCUS

The perfect combination of Fresnel Lens and Condenser in the viewing system equipped with PETRI FLEX V is the creation of PETRI's unique engineering know-how. As the precision Focusing elements in the viewing system is so precisely engineered, you can focus in the viewfinder very easily. This precision focusing system consists of a group of micro-prism as shown in the centre of the picture. As you look through the micro-prism in the finder, you can see the subject clearly **ONLY** when it is correctly

focused, as you turn the focusing ring and you will notice an out-of-focus image at once as you move the ring while looking through the viewfinder. In order to confirm whether focus is correct, move camera slightly to right and left and if the image in the micro-lenses can still be seen clearly, then it is properly focused. A strong point of Single Lens Reflex cameras is that you can see the depth of field of the lens in use as you photograph. Compare the image within the micro-prism with the one within the outer frame zone where you can see the ground-glass image to get proper focusing. The circle zone around micro-lenses is the area where you can even see the field depth of interchangeable lenses as well as standard lens. Also you can focus image through this zone.

As described previously the whole area of viewfinder consists of a fresnel lens and condenser. It concentrates dim light coming from lens to your eye and with viewfinder you can always take bright picture in every corner even with small aperture of lens.

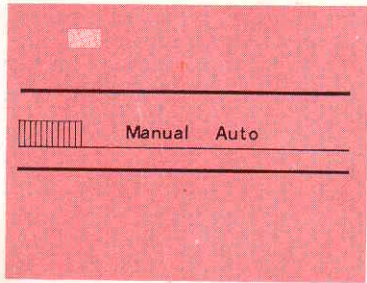
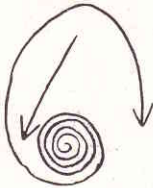
Image can be seen in correct focusing condition and to compare focusing within micro-lenses to get standard image in proper focus.

Whole area of viewing covering 92% of actual picture size

Zone to see the depth of field of lens in use (You can see accurate image range at f11 setting)

*Image in micro-prism can be seen accurately **ONLY** when it is correctly focused*





How to Handle the FULLY-AUTOMATIC & MANUAL DIAPHRAGM

- Look at the Fully-Automatic Diaphragm Ring. Turn the ring until the mark "AUTO" comes to the top of the lens ring and the camera sets for "Fully-Automatic Diaphragm" Operation. Usually this position should be kept. When releasing the operation, turn the ring until the mark, "MANUAL", comes to the top of lens ring.
- In "Fully-Automatic Diaphragm" Operation, the lens is fully-opened at all times and only when you release the shutter button, the F stop value of the aperture can be obtained. The steady opening of lens makes you to focus a subject very easily, but when you want to look through the subject in the desired aperture, release Fully-Automatic Diaphragm and look through the outside of double-circle in the center of viewfinder, after giving the desired aperture by manual. You can take a picture with the release of Automatic Operation.

HOW TO USE THE SELFTIMER

- Pull down the selftimer lever to the bottom (180°) as shown in the picture on the right and release the button as shown in the picture on the left, then about 11 seconds after your releasing the button the frame will be exposed.
- You can set the selftimer inbetween to shorten the release time, releasing the shutter button in the same way.
- The selftimer setting can be made either before or after your advancing the film wind lever.
- Selftimer can be used on all shutter speeds except the B setting.
- Selftimer is useful for the group pictures in which the photographer joins after releasing the button. It is also useful for Close-up and Micro-photography. In this case, the use of tripod is recommendable.

