

Canon AE Finder FN

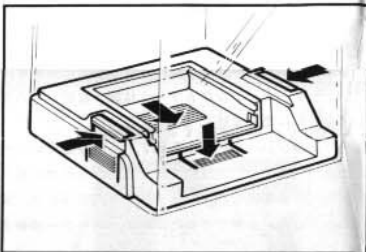
For the New Canon F-1
INSTRUCTIONS

The AE Finder FN is one of several interchangeable viewfinders designed for the New Canon F-1. Its primary role is to convert the camera to aperture-priority AE or stopped-down AE. You can also use the camera manually without removing the AE Finder FN. In manual, the finder provides the same exposure information as does the Eye-Level Finder FN.

In aperture-priority or stopped-down AE, a shutter speed scale and, with a New FD lens mounted, the pre-set aperture are displayed below the field of view. In manual, the aperture scale and shutter speed display are to the right of the field of view. Thus AE and manual modes are clearly differentiated and you know immediately in which mode the camera is set simply by the location of the exposure information in the viewfinder.

When the finder is used in conjunction with the AE Motor Drive FN or AE Power Winder FN, shutter-priority AE is also possible.

The finder has an accessory shoe with contacts for directly-coupled flash units and automatic flash contacts for dedicated Canon Speedlites.



Case

To remove the cover, lightly press the grooved tabs on both sides of the case and pull off the cover. It is possible to remove the dust cap from the case if necessary. To do this, press down the stopper and slide out the dust cap.

Attaching the Finder

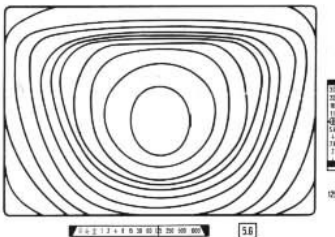
1. Grasp the AE Finder FN and pull it out of its case.
2. Remove the finder already mounted on the camera.
3. To attach, slide the AE Finder FN into the camera's guide rails until it stops.
To remove the finder, press the two release buttons and pull it straight back.

Aperture-priority AE

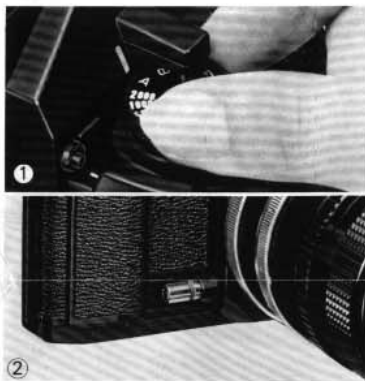
1. After attaching the AE Finder FN, set the shutter dial to "A." To do this, pull up and turn the dial's outer ring until "A" is aligned with the index on the finder (1). The shutter dial cannot be turned between the "A" and "B" settings.

Note: If the shutter dial is set to "A" before the finder is attached, exposure information will not be displayed. In this case, first turn the shutter dial to "2000," then back to "A."

2. Turn the lens' aperture ring to the desired aperture.
3. Look into the viewfinder and focus the subject.
4. Turn the meter mode selector to the desired mode. Then press the shutter button halfway to turn on the meter. Exposure will be correct as long as the meter needle is not pointing to either the under- or overexposure warning zone. If the meter needle is in either zone, turn the aperture ring until it moves out of the zone.
5. To release the shutter, press the shutter button all the way down.



In general, center-weighted average metering is recommended for AE photography. The illustration above shows the metering sensitivity distribution of center-weighted average metering.



There is a possibility of camera movement if the meter needle indicates a shutter speed of 1/30 sec. or slower and you are handholding the camera. In this case, choose a larger aperture until the shutter speed indicates 1/60 sec. or faster. If you have set the maximum aperture and the shutter speed is still slower than 1/60 sec., attach the camera to a tripod, use flash or add artificial light.

On the other hand, if the meter needle indicates overexposure even after you have set the minimum aperture, attach a neutral density (ND) filter to the lens. This will reduce the amount of light to the film.

Stopped-down AE

1. Following the procedure above, set the shutter dial to "A."
2. Look into the viewfinder and focus the subject.
3. Turn the lens' aperture ring to the desired aperture.
4. Unlock the stop-down slide. To do this, push it in and then release it; the slide will unlock and its red line can be seen (2).
5. The shutter speed is automatically selected according to the aperture set on the aperture ring.

If the meter needle is in either exposure warning zone, turn the aperture ring until the needle moves out of the zone.

Overexposure, underexposure and camera-shake warnings are the same as in aperture-priority AE.

Match-needle Metering

To meter the subject manually, simply disengage the shutter dial from "A." The shutter speed scale will disappear, and an aperture scale and shutter speed display will appear to the right of the field of view. Then set the shutter speed and aperture in the usual manner, matching the meter and aperture needles in the viewfinder. For further details, read the camera's instruction booklet.

Stopped-down (Fixed-index) Metering

Although stopped-down AE is a much simpler and faster method of metering, you can still use fixed-index stopped-down metering. For further details, please see the camera's instruction book.

Note: Stopped-down metering is possible, though unnecessary, with an FD lens. For correct exposure, set an aperture smaller than f/2.8.

Notes and Precautions

1. Exposure information will not be displayed with a different finder attached and the shutter dial on "A."
2. With a New FD lens (without chrome mount ring), the aperture is displayed adjacent to the shutter speed scale in the viewfinder. It is impossible, however, to read the aperture when using an FD lens with a chrome mount ring or when using an extender, extension tubes or other close-up accessories between the camera body and lens.
3. If your eye will not be to the eyepiece the moment you release the shutter, close the eyepiece shutter by sliding the lever clockwise. This will prevent stray light from entering and adversely affecting the exposure.
4. DO NOT set the aperture ring to the "A" mark, which is for shutter-priority AE, unless the AE Power Winder FN or AE Motor Drive FN is attached. Otherwise, the camera's safety circuit will prevent shutter release.
5. Viewfinder illumination in the "LIGHT" meter mode is possible only when the shutter dial is off "A."
6. To check the battery, first remove the shutter dial from "A." Then follow the normal battery-checking procedure.

Use of the following accessories is limited when the AE Finder FN is attached:

1. Early TS 35mm f/2.8 lenses. The lens' shift knob will touch the finder as you rotate the lens, thus preventing full rotation.
2. Early Auto Bellows. The finder will touch the bellows' rear standard as you rotate the camera, thus making vertical shots impossible.
For details concerning modification of either accessory, please contact the nearest Canon authorized service facility.

Specifications

Type: Interchangeable eye-level finder with built-in galvanometer.

Magnification: 0.8x with 50mm lens at infinity.

Field of View: 97% vertically and horizontally.

Dioptric Adjustment: Built-in eyepiece is adjusted to standard -1 diopter.

Eyepiece Shutter: Built-in. Keeps out extraneous light during self-timer and remote control operation.

Eye Relief: 16mm from the eyelens.

Viewfinder Information: With shutter dial off "A" for manual exposure or shutter-priority AE: Aperture scale with over- and underexposure warning marks, meter needle, aperture needle and battery check/stopped-down metering index displayed to the right of the field of view; shutter speed displayed below aperture scale. With shutter dial on "A" for aperture-priority AE or stopped-down AE: Shutter speed scale with speeds from 8 to 1/1000 sec., over- and underexposure warning marks, meter needle and window for direct aperture readout (with New FD lenses) displayed below the field of view.

Accessory Shoe: Provided; with direct contact for normal hot-shoe flash and special contacts for AE flash with dedicated Canon Speedlites.

Weight: 160 g (5-3/16 ozs.)

Subject to change without notice.

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