

Canon TX

English Edition

**The World of Creative Photography
Within Any Budget's Reach**



8 Main Features of the Canon TX

- 1** Single lens reflex with built-in, through-the-lens metering system. You see exactly the picture to be taken, as does the light metering system, for perfect composition and exposure each and every time.
- 2** Built-in exposure meter that is completely coupled to shutter speeds, film speeds and f/stops. Light metering sensitivity has center emphasis, and correct exposure is ascertained by simply matching the needles.
- 3** Full-aperture metering with FD lenses and stopped-down metering with FL lenses. The lens' maximum aperture is automatically transmitted to the exposure meter when an FD lens is mounted.
- 4** Viewfinder with full exposure metering information containing meter index, meter and aperture needles, plus a red signal which indicates the limit of the coupling range.



5 A flash hot shoe is provided with a direct contact for an electronic flash unit. It is a convenient mount for a flash unit, and eliminates the necessity of cord connections and other extra attachments.

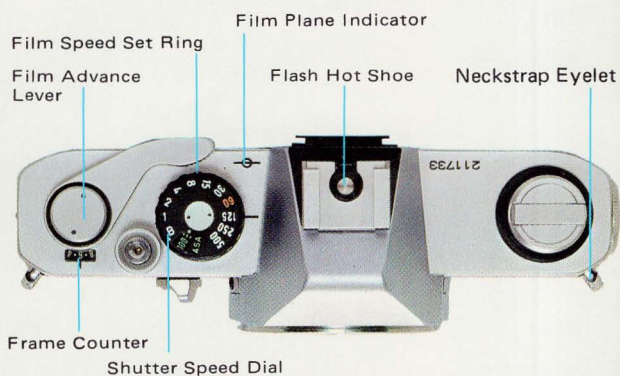
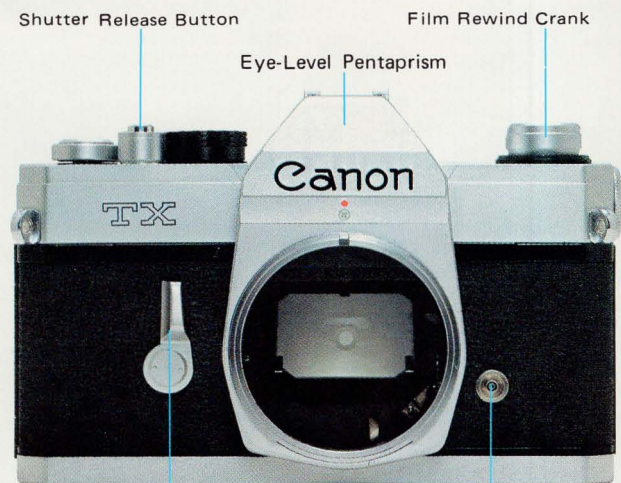
6 Reduced camera body weight. It is designed to be comfortably held, portable and easy to operate.

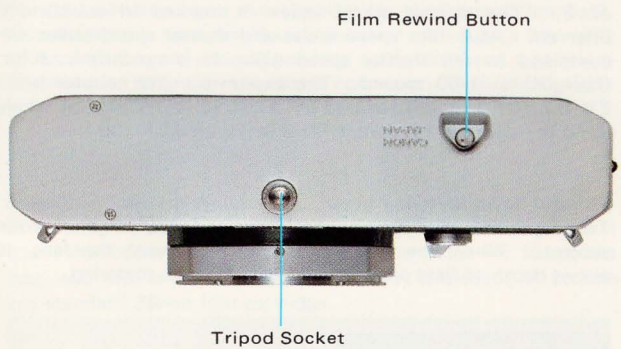
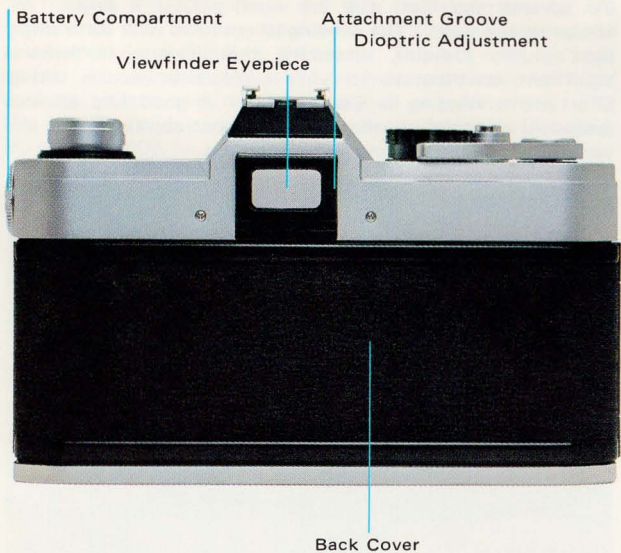
7 FD and FL lenses give high performance and sharp resolution. Wide range of focal lengths from 15mm full-frame fish-eye to 300mm telephoto. Other lenses from 7.5mm circular fish-eye to 1200mm super-telephoto are available.

8 Wide range of accessories for increased versatility. These include the Extension Tube M set for close-up photography, the Bellows FL and the Bellows M for macrophotography and such viewfinder attachments as the Angle Finder A-2, B and the Magnifier S.



NOMENCLATURE

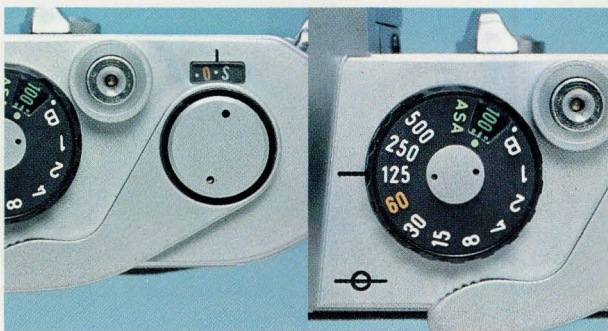




PERFORMANCE FEATURES

Single Stroke Winding Lever

To advance the film, give the winding lever a single 174° stroke to the right. The winding lever moves with surprisingly light thumb pressure, something that is sure to make a significant contribution to your comfort in picture taking. Short-stroke winding is also possible. A good film advance system is essential to the smooth operation, flexibility and versatility required for continuous shooting.



Shutter Speeds

The Canon TX has a focal plane shutter with speeds from 1/500 to 1 second, plus the manually controlled time interval of B. The shutter speed index is marked in equidistant intervals. ASA film speed scales and shutter speed scales are contained in the shutter speed dial. It is synchronized for flash (X) at 1/60 second. The exposure meter couples from EV 3.7 (f/1.8 at 1/4 sec.) to EV 17 (f/16 at 1/500 sec.) when using the standard FD 50mm f/1.8 lens with ASA 100 film.

Stopped-down Metering Lever

This lever lets you easily check the in-focus range of your subject. When the lever is pushed in toward the lens, it allows depth-of-field preview and stopped-down metering.

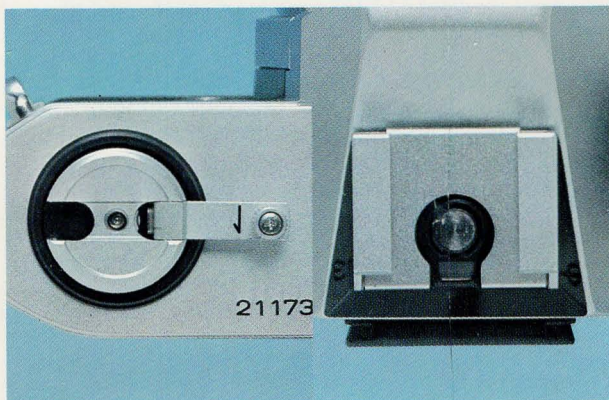


Quick Bayonet Lens Mounting

A precision breech-lock lens mount allows fast lens changes. As soon as a new lens is engaged by the mount, the TX automatically adjusts to the maximum aperture of the new lens. Lenses can be attached and detached easily. The breech-lock is spring loaded, so that it turns slightly when it comes into contact with the camera body—insuring a fast, safe mount.

Film Rewind Crank

To rewind the film, press the film rewind button on the bottom of the camera, then wind the film by rotating the lever clockwise and pull up the crank. This will open the back cover. The exposed film will have been completely retracted into its cassette and ready for removal or replacement. The TX accepts a wide variety of film with speeds ranging from ASA 25 to ASA 2000.

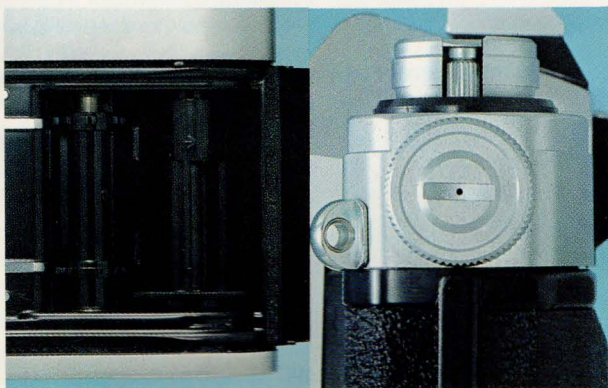


Flash Hot Shoe

The flash hot shoe has a direct contact for an electronic flash unit. This at the same time provides a convenient mount for a flash unit, while eliminating the necessity of cord connections and other extra attachments. With this convenient connection, flash photography is simple.

Multi-Slot Take-Up Spool

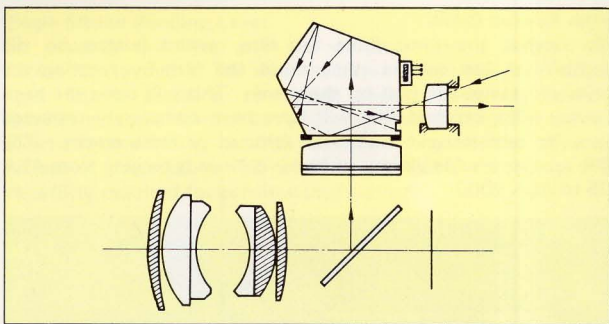
The multi-slot take-up spool speeds up film loading. Just open the back cover, place the film cartridge in; insert the lead into one of the slots and your film is loaded. It accepts any standard 35mm film cartridge.



Mercury Batteries

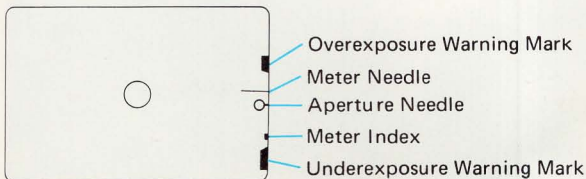
The TX is powered by one 1.3v mercury battery. Mercury batteries outlast regular batteries, while providing superior performance and reliability. They are efficient, inexpensive, and can be purchased anywhere.

Central Emphasis Metering



The Canon TX enables even the beginner to accurately assess exposure conditions for good quality shots everytime. Central emphasis metering is sure to give reliable light measurement with any subject. Light metering sensitivity is thus concentrated toward the center area. Proper exposure of the main subject is obtained by the average light metering method. A highly sensitive CdS photocell, designed to increase light metering efficiency toward the center, is positioned above the eyepiece as the rear of the pentagonal prism in order to cut and diffuse the reflection of the focusing screen. The entire viewfinder screen is read by the CdS photocell with more emphasis on the center portion where the main subject is likely to be located. This, for example, permits correct exposure of landscapes even with a bright sky in the upper part of the picture area. You will also enjoy the further advantages of full-aperture metering with FD lenses. FL lenses with stopped-down metering can also be used. The Canon TX's wide range of interchangeable lenses and light metering method will greatly enhance the capabilities of any photographer

Maximum Aperture Automatic Compensation



Interchangeable lenses can be easily used with the TX to widen your field of photographic possibilities. For example, when an FD lens is mounted on the TX, the maximum aperture is automatically transmitted to the exposure meter, and the aperture needle is set to the correct position. This eliminates maximum aperture adjustment when a lens with a different lens speed is used. The user merely sets the shutter speed and then matches the aperture needle to the meter needle in the exposure meter. Adjusting the preset aperture ring sets the proper, f/stop. With stopped-down metering of FL lenses, just push the stopped-down metering lever on the camera front to stop down the lens aperture. The proper f/stop is obtained by matching the meter needle to the fixed index.

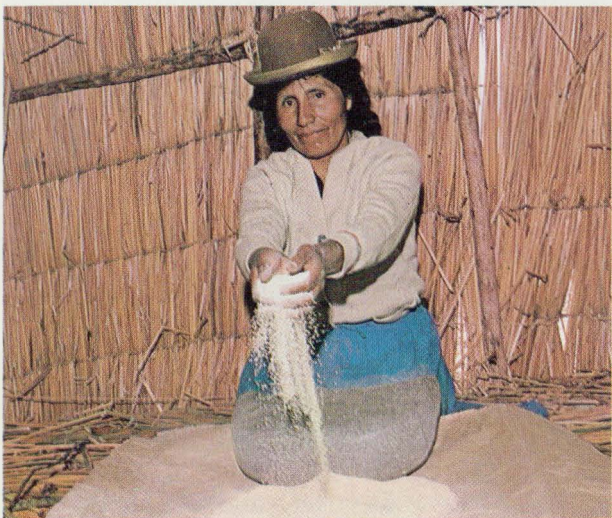
Reduced Camera Body Weight

The TX offers increased portability and ease of operation. Special techniques and the use of precision-made plastic molds have greatly reduced camera body weight. It is designed to be comfortably held, simple to operate and easy to carry.

Bright Field-of-View in the Viewfinder

The field-of-view through the viewfinder is bright for easy composition. The viewfinder includes exposure information such as a meter index, meter and aperture needles, plus a red signal indicating the limit of the coupling range.

Flash



With the flash hot shoe provided on the camera body of the Canon TX, flash photography is extremely easy to do. Simply mount the electronic flash unit on the hot shoe and all connections are effected. The flash hot shoe provides a contact for complete flash synchronization.

Wide Range of Accessories



The TX's versatility lies in its capability to use most of the other fine Canon accessories: the Extension Tube M set for close-up photography, the Bellows FL, the Bellows M for macrophotography, and viewfinder attachments like the Angle Finder A-2, B and the Magnifier S.

FD Lenses



With the Canon TX, no photographic subject is outside your scope, thanks to the nearly forty fine Canon lenses it accepts—the same lenses used by the top-of-the-line F-1 system camera.

For the ultimate in wide-angle drama, one of the Canon Fish Eye lenses or Super-Wide-Angles is ideal. The lenses in this group span focal lengths from 7.5mm to 24mm, and all are critically sharp and free from aberrations.

The Wide-Angle group, from 28mm to 35mm, is ideal for general snapshooting, groups, travel and scenics. And, like all FD lenses, they are exceptionally compact, for easy portability.

The Telephotos for the TX run from 85mm to 300mm, with everything in-between. They're great for anything from portraiture to nature, sports to surveillance. All have a clarity and color rendition that is unsurpassed.

If you need more "reach" than a Telephoto can give, there are Super-Telephotos ranging from 400mm all the way to 1,200mm. All Canon lenses are either Spectra or Super Spectra (multiple) Coated, for reduced flare and ghosts. FD lenses permit full-aperture metering on the TX, for bright, easy-to-focus images. And selected FD lenses incorporate the Canon Floating System, which compensates for close-up aberrations, insuring excellent performance at *all* focusing distances.

So no matter where your photographic interests lie now, or wherever they will lead you in photography, you can take your TX along with confidence, knowing that the superb Canon lenses that it accepts can handle any situation with perfection.

SPECIFICATIONS

Type: 35mm single-lens reflex camera with focal plane shutter

Picture Size: 24x36mm.

Standard Lens: Canon FD 50mm f/1.8 S.C.

Interchangeable Lenses: Canon FD series lenses for full aperture metering and FL series lenses for stopped-down metering.

Viewfinder: Eye-level type using pentagonal prism.

Viewfinder Attachments: Angle Finder A2, B, Magnifier S, Rectangular Type Eyesight Correction Lenses (−1.2 diopter as Standard. Interchangeable with +1.5, 0, −2.5, and −4.)

Focusing Screen: Microprism screen rangefinder using Fresnel lens.

Field-of-View: 94% of actual picture area.

Magnification: 0.85 x with standard 50mm lens at infinity

Viewfinder Information: Meter needle and aperture needle, red signal indicating outside lower side of meter coupling range, meter index for stopped-down metering and coupling range limit marks.

Mirror: Shockless quick return system.

Lens Mount: Canon Breech-lock FD mount. FL and R series of lenses mountable.

Coupling Function of Lenses: FD lenses; full aperture metering, coupled with automatic diaphragm. FL lenses; stopped-down metering, coupled with automatic diaphragm. R lenses; stopped-down metering, manually operated diaphragm.

Shutter: Focal plane shutter with speeds from 1/500 to 1 sec. and B. Equiinterval index. X contact at "60"

Shutter Speed Dial: With shutter speed scales and ASA film speed scales.

Film Speed Scale: ASA 25 to 2000.

Exposure Meter: Built-in. Coupled to shutter speeds, film speeds and f/stop. Matching needle type full-aperture metering mechanism through the lens. Central emphasis average light metering system using CdS photocell behind the pentaprism. Full aperture opening f/stop automatic compensation mechanism for the FD lenses. Stopped-down metering possible. Meter index type metering using stopped-down lever. Powered by one 1.3v mercury battery H-D, Mallory PX625 or Eveready EPX625.

Exposure Meter Coupling Range: When using FD 50mm f/1.8 S.C. with ASA 100 film, EV 3.7 (f/1.8 at 1/4 sec.) to EV 17 (f/16 at 1/500 sec.)

Flash Synchronization: FP and X contact. Automatic time lag adjusting. Flash contact in the flash hot shoe plus PC socket on the front of the body

Synchronizing Range: FP class; 1/500—1/125 sec., 1/30 sec. or under Speedlite; 1/60 sec. or under M, MF class; 1/30 sec. or under

Film Loading: By opening back cover. Accepts any standard 35mm film cartridge. Easy and rapid loading with the multi-slotted film spool.

Film Advance Lever: Single operation 174° Short-stroke winding possible.

Film Rewinding: Performed by rewind button and crank.

Double Exposures: Possible by operation film rewind button and crank.

Frame Counter: Self-resetting type activated by opening back cover

Size: 144 x 93 x 43mm (5-5/8" x 3-5/8" x 1-3/4")

Weight: 680g (1 lb. 8 ozs.)—body only

Subject to alterations.

"Spectra Coating" and "Super Spectra Coating" are abbreviated as "S.C." and "S.S.C." respectively.



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