

YASHICA

Enjoy the luxury of the superb camera



- Superb Sonnar T* 38mm lens for optical superiority
- Compact, smooth body for handling & carrying ease
- Automated Exposure system backed by Quartz timing
- Attachable electronic flash with automatic operation
- Precision finishing of all internal mechanisms

CONTAX T

- w/CASE Price
- w/T14 Auto Electro Flash Price

A New Elegance In Rangefinder Photography

The new Contax T is a sophisticated, elegant step into the world of 35mm rangefinder photography. The camera combines simplicity of use with functional capabilities to create a new elegance in rangefinder photography. A compact, slimline design is achieved by means of the retractable lens design, while optical quality is guaranteed thanks to a superbly sharp Carl Zeiss Sonnar T* 38mm lens. Sophisticated electronics are packed inside the sleek camera body, providing highly accurate aperture-priority automated exposure, based on a Silicon Photo Diode metering system and a single-chip Central Processing Unit. Mechanically, the camera reaches new heights in precision finishing and sophisticated performance. Ball bearing film transport backed up by a clutch/rewind system insure smoothness and accuracy in film movement — forward or back. Contax T is the perfect answer for those requiring a personal camera that is light, compact, easy-to-use and unobtrusive, yet at the same time demand a precision tool capable of providing the highest possible photographic quality.



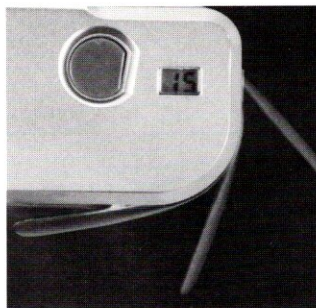
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MAJOR FEATURES:

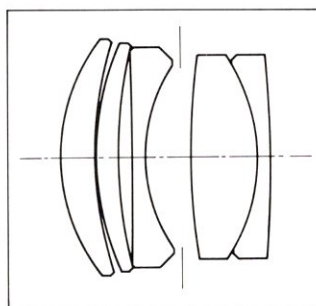
The Camera Body — The Contax T body cover is crafted carefully from a tough, durable metal. After precision machining, the body cover is finished in black or silver. To insure optimum compactness, while respecting the need for a precise lens-to-film distance, the designers elected to employ the retractable lens format, in which the lens slides out from the body, locking into place when the front cover is opened. When that cover closes, the Contax T presents an extraordinarily smooth and slim profile. All controls have been recessed to prevent protrusions that might snag or catch when slipping the camera in and out of pocket or bag. The film advance lever, with its smooth ratchet operation transporting the film along ball-bearing shafts, tucks away flush with the body, or stands off at a slight angle for repeat use. Film rewinds just as smoothly, thanks to a special clutch mechanism. The top deck incorporates an ISO film speed dial (with 1/3-stop intermediate settings) concentric with the rewind crank, and lock-released by button. The Self-Timer (10-second delay) is operated by a top deck switch, with indicating LED on the camera's face. Also found on the top deck is the Backlight Compensation Button, which provides a +1.5EV adjustment in exposure when pressed, to overcome backlight and insure good detail in shaded areas.

The Zeiss Lens — Carl Zeiss created a new T* (Star)line lens specially for the Contax T — the Sonnar T* f/2.8 38mm. Exceptional resolution, contrast, color balancing and even corner-to-corner illumination are just a few of the factors that make this lens so special. The famed T* multi-coating, of course, eliminates ghost reflections for richer, fuller colors. The optical construction is of the famed Sonnar type, for compact, high-speed performance. It employs a 5-element, 4-group construction. Positioned between elements, for optimal precision, is a diaphragm built up from seven blades to attain the "roundest" possible light path. The focusing helicoid is machined with total precision, to provide absolute sharpness and focusing ease. Also reflecting the high quality of the camera/lens interface is the lens shutter, positioned behind the elements and constructed of five blades, rather than the standard two-blade shutters usually found in rangefinder cameras.

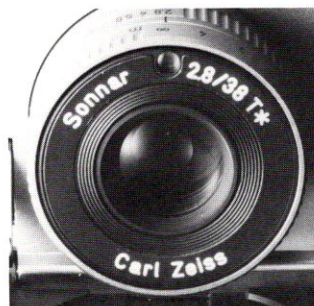
The Kyocera Electronics — At the heart of the Contax T is an ultra-sophisticated Central Processing Unit that handles both incoming data and functional commands. An advanced new Bi-C MOS computer chip allows the entire command system of the camera to be enclosed in a single Integrated Circuit, affixed to a flexible circuit board running under the camera's skin. Incoming analog measurements of light are converted into digital values, processed for determination of optimal exposure conditions (together with other exposure factors)



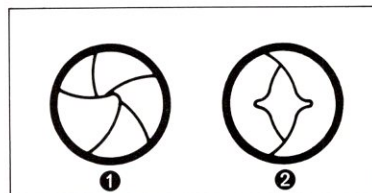
The Single-Stroke, 120° film advance with a 10° stand-off angle.



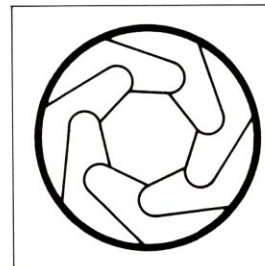
5-element, four-lens group composition.



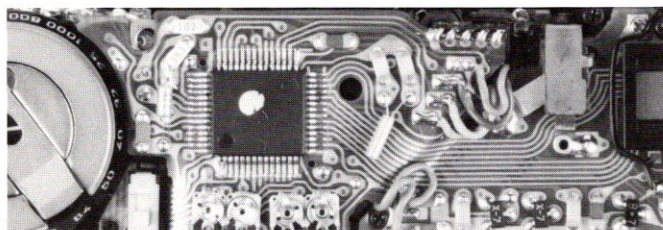
Carl Zeiss Sonnar T 38mm f/2.8 Lens.*



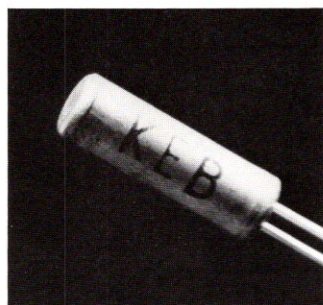
1 The 5-blade shutter of the Contax T.
2 Standard 2-blade lens shutters.



The 7-bladed, "between elements" diaphragm.



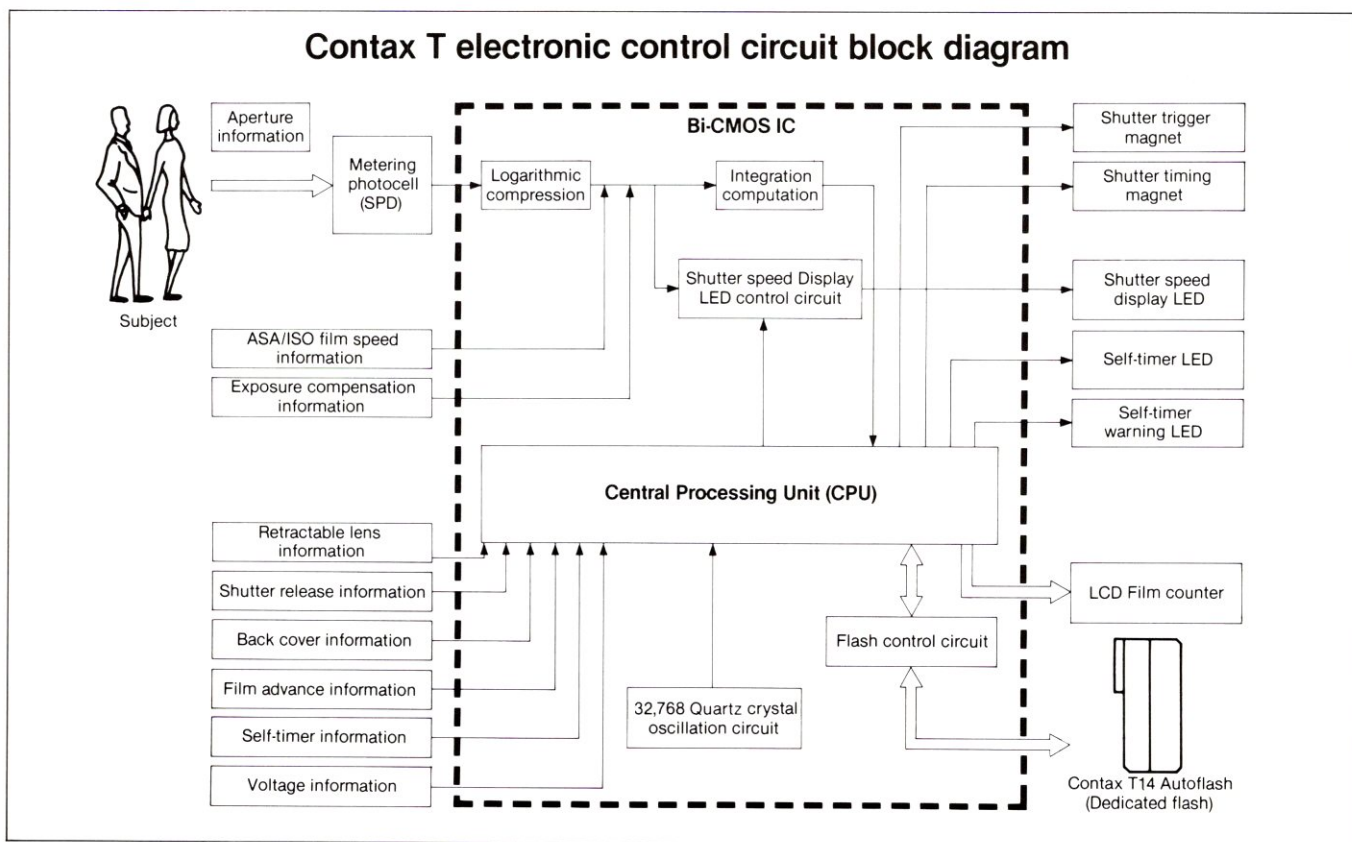
The single, Bi-C MOS Integrated Circuit on a flexible circuit board.



Quartz Crystal Element.

and then relayed back to control circuitry as operating commands. The entire process takes place in "Real Time" — the speed of light! Naturally, this kind of precision demands light measurements of the utmost accuracy. That's why the Contax T uses a Silicon Photo Diode — an extremely accurate, sensitive light metering cell — to determine just how much light is striking the main subject. This SPD reacts in Real Time to light values, providing a constant monitoring of the ambient lighting. When using the Self-Timer, for instance, there's no fear of a bad exposure because of a suddenly-appearing cloud; the camera will adjust exposure automatically. Also, the SPD allows more accurate determination of electronic flash exposures, by relaying a command to cut flash output after just enough light has been put on the subject. The SPD is mounted in a "Top-Eye" position just above the front element of the lens. Finally, Quartz accuracy insures that shutter speeds are correct and consistent, throughout the entire 8 sec. to 1/500 sec. range. This makes exposure accuracy consistent under all lighting conditions. Backlighting can be adjusted for by means of the Backlight Compensation Button (with its +1.5EV adjustment) or by changing the setting of the 1/3-stop incremental ISO film speed dial. The Central Processing Unit also controls the operation of the dedicated T14 Auto electronic flash unit, for perfect results indoors, evenings or in daylight for fill-in lighting.

Contax T electronic control circuit block diagram



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The Viewfinder — The compact, precise viewfinder of the Contax T is built to the same uncompromising standards that govern the rest of the camera. Construction is of high quality block glass, for optimal light transmission capability. Then, the block prism, half-mirror and other glass surfaces receive a special silver coating that completely eliminates stray reflections. This, in turn, enhances the precision of the rangefinder focusing system. The split-image adjustment is fast, easy and accurate, with the subject "snapping" into clear focus at the point of maximum sharpness. The viewfinder shows 87% of the total picture area (what will actually appear on the film) at a magnification ratio of 0.6X, and with bright, clear, easy-viewing sharpness. Various data factors are indicated by LEDs in the viewfinder, including a right-side shutter speed indication system. Three "range" LEDs indicate the shutter speeds selected by the camera's auto exposure circuitry, between 1/500 — 1/125, 1/125 — 1/30 & 1/30 — 8 sec. One more LED at the right top warns of possible over-exposure requiring use of a smaller aperture. A flickering of the shutter Speed LED indicates the T14 Auto flash unit is attached, "on" and ready for use. [Note: flash synchronization is automatic, at speeds of 1/125 and slower.] Finally, an LED at the top center lights up to indicate the Self-Timer function is still "on". The entire display lights whenever slight pressure is put on the shutter release, cutting off automatically, to conserve battery power, after 10 seconds.

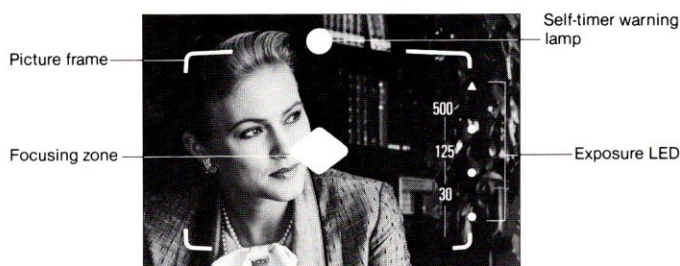
Additional Features:

LCD Frame Counter — A Liquid Crystal Diode display has been used for the frame counter of the Contax T. This display, the first such ever used in a camera, turns on automatically whenever the camera is open, with memory count retained by the CPU up to 79 (for 72-exposure film). When the camera is closed, the display turns off, automatically, to conserve battery power.

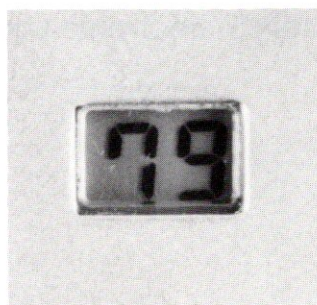
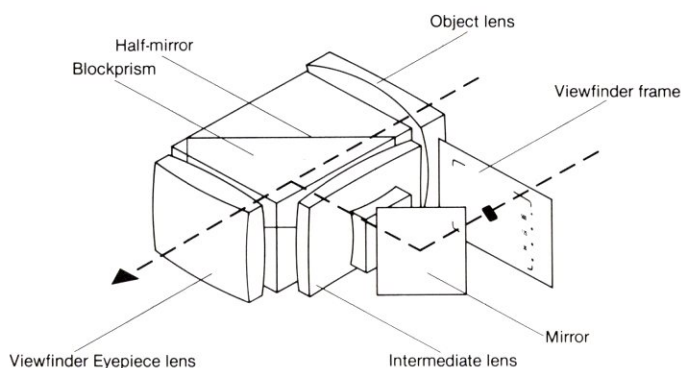
Shutter Release Button — the shutter release button of the Contax T is actually a gemstone, employed to signify the exceptionally high quality of the camera. "Romande" is a recrystallized sapphire that is one of the hardest, most durable substances known to man and virtually impervious to scratches or disfiguration.

Self-Timer — A top deck switch activates the Self-Timer, which provides a precise, Quartz-timed 10-second delay. Operation of this function is indicated in the viewfinder. A "countdown" of the seconds is provided by a camera face LED, with flashes increasing during the final two seconds before the shutter releases.

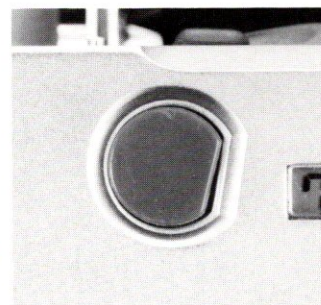
Contax T Viewfinder



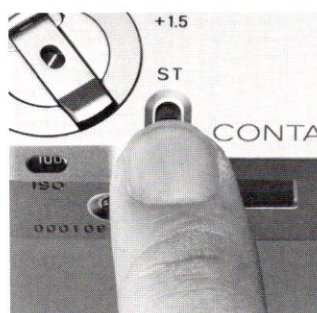
Contax T Viewfinder Mechanism



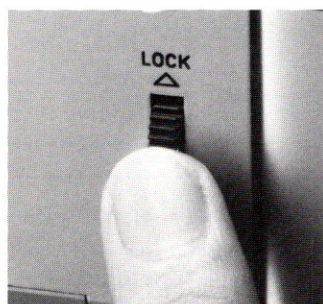
LCD frame counter.



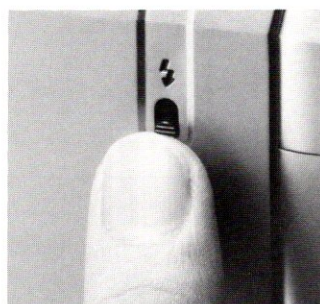
The "Romande" release button.



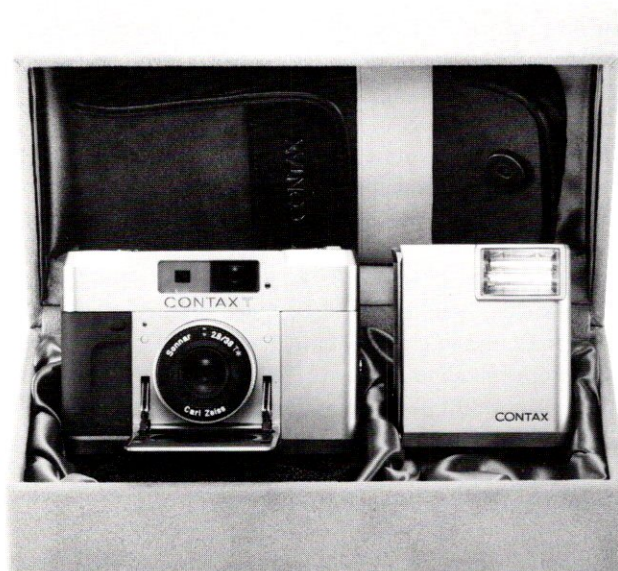
Self-Timer operating switch.



Thumb-wheel lock for T14 Auto.



On/Off button for flash use.



Folding Front Cover — The folding front cover of the Contax T works as a protective shield and does double duty as a master switch that turns all electronic circuitry "on" when opened. Opening the cover is made easier by a soft stand-off button on the camera face.

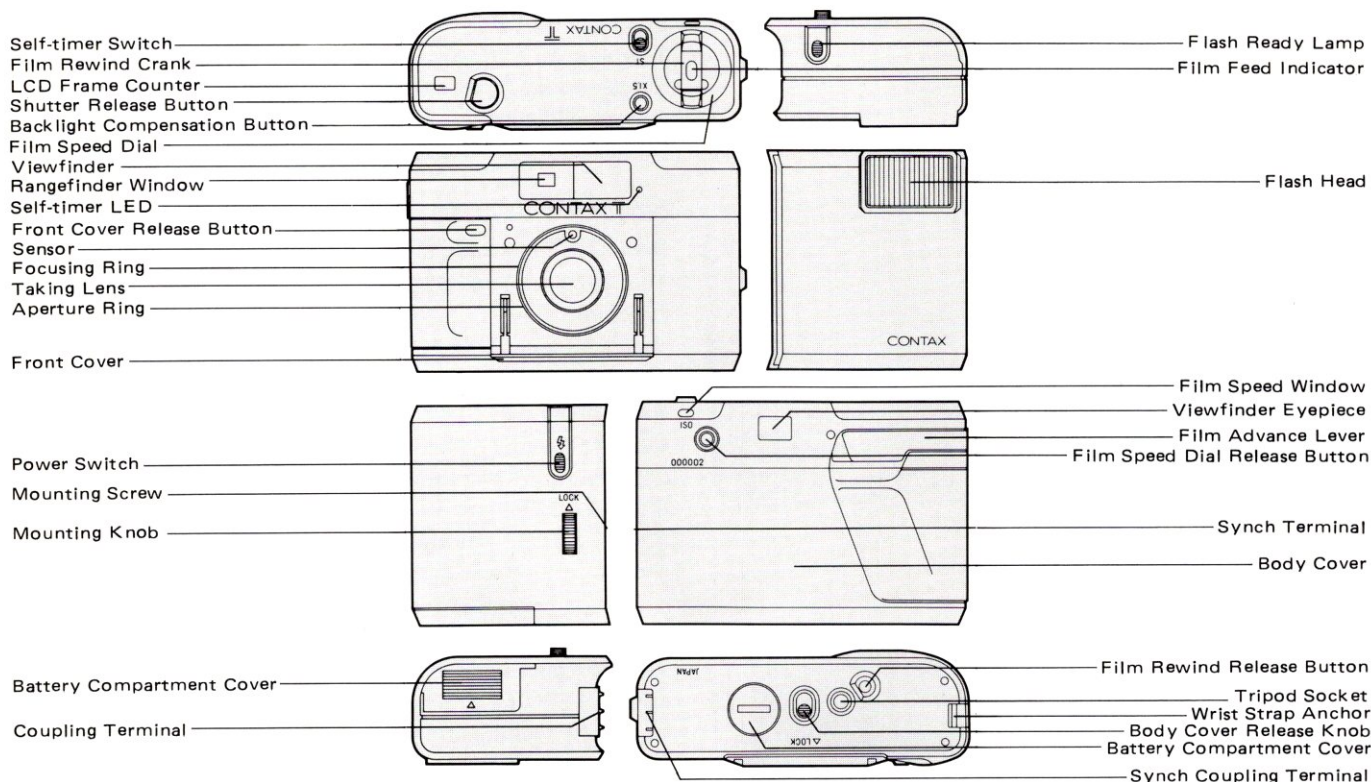
CONTAX T 14 AUTO

Dedicated Electronic Flash for Contax T

The Contax T14 Auto provides completely automated electronic flash capability for the Contax T camera, with dedicated operation that requires no special adjustment or control. Three special electronic contact points link the flash and camera whenever the T14 Auto is attached to the Contax T. Attaching the flash is quick and easy, requiring only thumb-wheel operation for a secure, threaded mount that turns the two units into an integrated, well-balanced single system. Turning on the flash unit activates the electronic interface system, which then provides completely automatic control over flash exposures. X-synchronization of flash and shutter operations (at all apertures) is performed automatically, while exposure determination is made via the camera's SPD/CPU (Silicon Photo Diode and Central Processing Unit) combination. X-synch is automatic at shutter speeds between 1/30 — 1/125 sec., the shutter will operate at 1/30 automatically if ambient light speed would be slower. Ambient lighting that requires shutter speeds faster than 1/125 sec. overrides flash use; for correct non-flash exposure. Daylight fill-flash use requires aperture settings small enough to bring ambient light shutter setting to 1/125 or slower. The viewfinder LED system indicates "flashready" condition by flickering the shutter speed LED. The shift to 1/30 sec. from slower speeds, for flash X-synch, will also be displayed. Creative lighting effects can be achieved by employing the camera's exposure compensation functions in combination with the T14 Auto. The electronic flash unit operates on two 1.5V AA-size batteries, either alkaline or manganese types.



Contax T: parts, controls & features nomenclature



CONTAX T Specifications

Type: 35mm lens shutter, rangefinder camera with retracting lens and folding front cover; Quartz-timed operation; Aperture preferred Automatic exposure control. **Image size:** 24 x 36mm **Lens:** Sonnat T* 38mm F2.8 lens (5-element, four lens group composition.) Aperture scale of 2.8 to 16. Minimum Focusing distance: 1 meter. Angular field: 61° **Shutter type:** Aperture priority AE type electromagnetic shutter (8 to 1/500 sec.) **Synch Terminal:** Synchronizes at speeds between 1/30 to 1/125 sec. shutter speeds, using dedicated T14 Auto electronic flash. **Self-timer:** Electronic type. 10 seconds delay. LED flashes during countdown (accelerating 2 seconds before shutter release). **Shutter Release:** Electromagnetic type. Recrystallised "Romande" sapphire shutter release button. **Rangefinder:** Coupled to the focusing helicoid of the lens unit. **Viewfinder:** Reverse-Galilean finder with Albada type bright picture frame. 87% of field-of-view at 0.6X magnification. **Viewfinder Display:** Picture frame, focus zone, self-timer warning lamp, 4 exposure LEDs (including overexposure warning, and T14 AUTO flashready indicator function). **Metering System:** Aperture priority AE type (with SPD cell). Metering range from EV0 to EV17. Film speed coupling range from ISO 25 to 1,000. Backlight compensation of +1.5EV. **Film Advance:** Lever type, 120 degree setting angle, 10 degree rest. **Film Rewind:** Film rewind crank. **Frame Counter:** LCD counter

registers to 79; auto resetting, additive type. **Body Cover:** Removable type, using release knob. **Power Source:** Uses two 1.55V silver-oxide (SR44) or 1.5V alkaline (LR44) batteries. **Power Switch:** Switch coupled to front cover (When switched OFF, all camera functions except LCD frame counter memory will cease). **Exposure Meter Switch:** Turned ON by slight pressure on shutter release button (Automatically turns OFF in 10 sec.) **Dimensions:** 98(W) x 66.5(H) x 32.5(D)mm (3-13/16 x 2-5/8 x 1-1/4 in.) **Weight:** 270 grams (without batteries). (9.5 ozs.)

T14 AUTO Specifications

Type: Dedicated electronic flash for the Contax T. **Guide Number:** 14 (ISO 100m) **Flash Control System:** Output automatically controlled using on-camera sensor cell. Synchronizes at all aperture. **Camera Connection:** Connects to camera side, coupled via dedicated terminal. **Color Temperature:** Equivalent to daylight. **Recycling Time:** 7 seconds, using fresh alkaline batteries. **Number of Flashes:** 250 flashes, using fresh alkaline batteries. **Power source:** Uses two 1.5V type AA alkaline or manganese batteries. **Dimensions:** 58(W) x 66.5(H) x 32.5(D)mm. (2-1/4 x 2-5/8 x 1-1/4 in.) **Weight:** 70 grams (without batteries). (2.5 ozs.)

* Specifications and external features subject to change without prior notice.