



New

Contax 137 MA QUARTZ

- BODY ONLY w/four AA-size batteries & strap Price
- STANDARD CASE Price
- PLANAR T* f/1.4 50mm Price
- PLANAR T* f/1.7 50mm Price

Real Time Direct Drive With Auto/Manual Exposure Capabilities

The extraordinary capabilities of the Contax 137 MA Quartz make it one of the most innovative and exciting single-lens reflex cameras ever created. Designed as an integral part of the famed Contax Real Time System of photography, the 137 MA Quartz incorporates high level professional features that allow its use in even the most sophisticated circumstances, and at the same time is so simple to operate that even beginning photographers will find their abilities enhanced.

Three important new features characterize the 137 MA Quartz, and differentiate it from the Contax 137 MD Quartz: **Manual Exposure Controls** backing up the aperture-preferred auto exposure system;

Faster Real Time Direct Drive at a maximum continuous rate of three frames-per-second;

Clutch Disengagement System for the film rewind crank, to make film winding and rewinding smoother and more stable. The development goal of the 137 MA Quartz was to further improve the basic Real Time Direct Drive concept, in which a single, fully integrated micro-motor controlled by Quartz pulses directly drives all camera operations: mirror, aperture, shutter and film advance. At the same time, the full range of

manual shutter speeds was incorporated into the camera, in order to provide the professional or advanced amateur photographer with more control over exposure factors.

Real Time Direct Drive was improved by increasing the firing rate to **three frames-per-second**, equal to that of many motor drive systems offered with other cameras. Yet, the Contax 137 MA Quartz remains exceptionally quiet and vibration-free — an important factor in its extreme durability and reliability. The clutch disengagement system used in the 137 MA Quartz is the same as that proven so reliable in the Contax RTS and RTS II Quartz cameras. By disengaging the film rewind and wind gearing completely, this system vastly improves the smoothness and reliability of the overall film movement, contributing to a reduction in friction that in turn increases the durability of the camera's moving parts.

And, of course, these improvements in the 137 MA Quartz are backed up by the famed precision of the Quartz Crystal Element that regulates shutter speeds and time-related operations of the camera to a degree of accuracy unprecedented in photography, and by the accuracy and sensitivity of a micro-processing exposure calculation system based on SPD (Silicon Photo Diode) metering.

YASHICA

MAIN FEATURES:

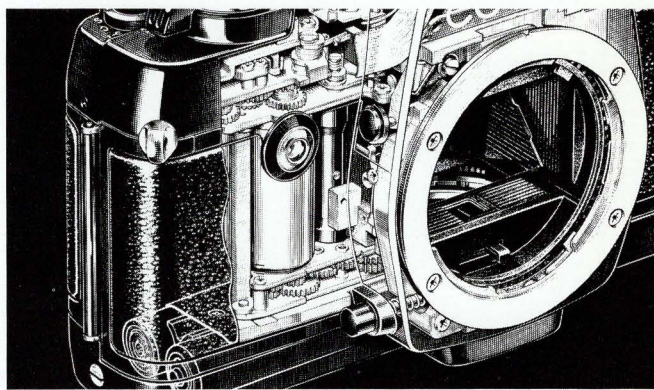
- **Real Time Direct Drive at 3fps** — The Real Time Direct Drive concept, first introduced in the Contax 137 MD Quartz and now improved in the 137 MA Quartz, is revolutionary in its approach. A single, fully-integrated micro-motor directly operates the shutter, mirror, aperture and film advance mechanisms. This reduces moving parts and simplifies overall operation, thus resulting in less noise and vibration, more reliability and durability.

Even at a maximum firing rate of three frames-per-second, the Contax 137 MA Quartz remains quieter 'on the job' than standard 35mm SLR cameras, and no larger in size, despite the complex micro-motor and drive systems built into the body.

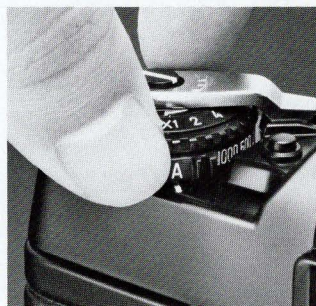
- **Dual AE/Manual Exposure Control Systems** — The 137 MA Quartz allows the photographer to select either aperture-preferred AE exposure control or full MANUAL exposure control. In both modes, exposure data is provided by a sophisticated C-MOS LSI microchip that offers digital exposure values for increased accuracy. In AE mode the camera signals approximate shutter speed through the Viewfinder LED Display; in Manual mode, the photographer employs this display as a guide to setting accurate exposure factors. AE mode shutter speeds range from LT (11 sec.) to 1/1000 sec. Manual mode speeds can be set from one to 1/1000 sec., plus Bulb and X-synch (1/60).

- **Quartz Timing Controls** — A Quartz Crystal Element generating 32,768 pulses each second completely regulates shutter speeds and all other time-related functions of the 137 MA Quartz for total timing accuracy and consistency. Shutter speeds are Quartz-timed in both AE and Manual exposure modes, for more accurate and consistent exposure results. And, Quartz control also remains in effect for the timing of aperture, mirror and film advance operations, as well, no matter how the camera is used, or what accessory equipment is attached. The Quartz control system makes the Contax 137 MA Quartz one of the world's most accurate, consistent and reliable SLRs.

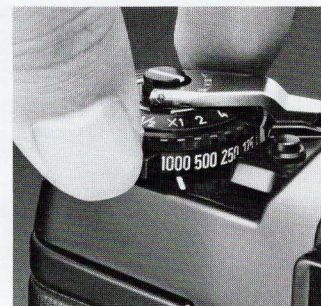
- **Twin SPD Metering Cells** — Silicon Photo Diode (SPD) cells are the most accurate and sensitive means of determining proper exposure values. They react instantaneously to even the slightest variance in ambient lighting. The Contax 137 MA Quartz employs two SPD cells, one metering ambient light exposures in a center-weighted pattern and relaying that information to the Central Processing Unit that provides digital exposure information. The second SPD cell is located so as to meter electronic flash output directly from the film plane for total automated flash exposure control with the Contax TLA Auto Electronic Flash System.



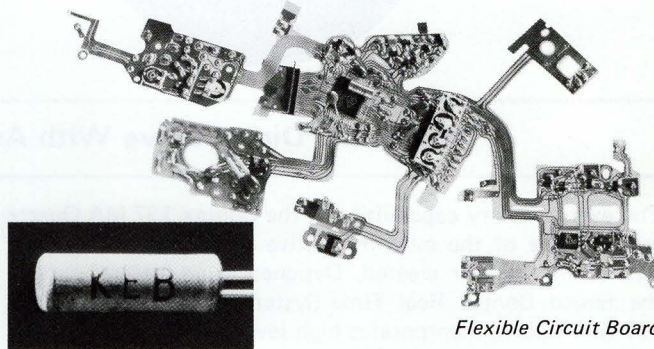
This see-through diagram shows the locations of the various parts, including the fully integrated micromotor drive system.



AE Mode Setting

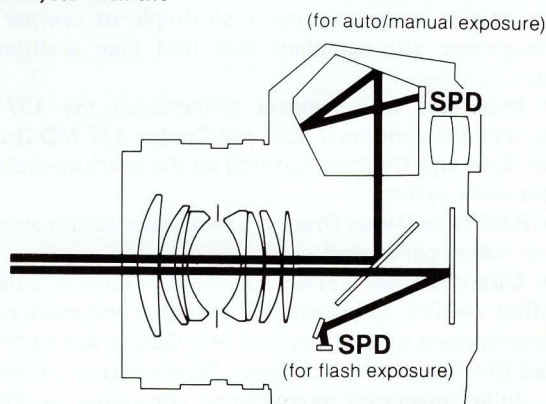


Manual Mode Setting

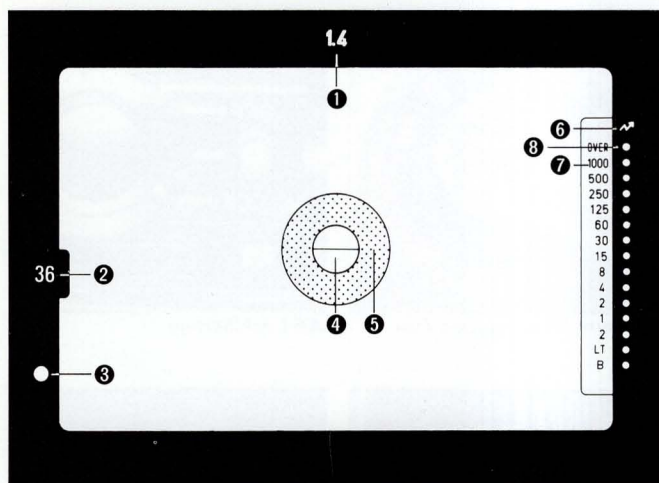


Quartz Crystal Element

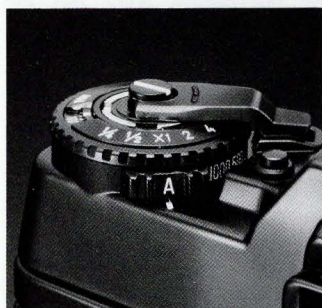
Flexible Circuit Board



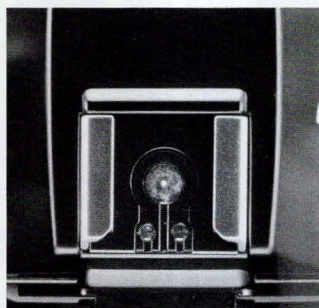
The light pathways for the two independent exposure systems, also showing the locations of the SPD sensors.



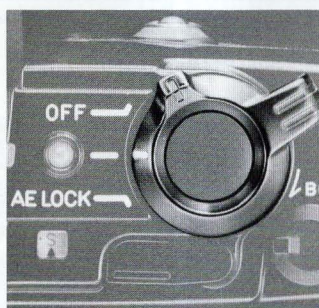
1 Aperture display 2 Built-in frame counter 3 Exposure compensation indicator LED 4 Split-image center spot 5 Microprism collar 6 LED Flash data indicator 7 Shutter-speed scale 8 LED shutter speed indicator



The 137MA Quartz and other Contax cameras provide automatic 'Fail-Safe' flash/shutter synch in AE Mode setting.



Contax Hot-Shoe with TLA circuit contacts for 'Fail-Safe' flash/shutter synchronization.



Showing the three main switch positions of OFF, ON (indicated by lighting of the monitor lamp) and AE LOCK. This switch also activates as the battery checker.

● **Viewfinder LED Data Display** — Complementing the extraordinarily sophisticated capabilities of the Contax 137 MA Quartz is the camera's outstanding Viewfinder LED Data Display system which indicates not only Shutter Speed and Aperture values, but also such factors as AE/Manual Mode selection, AE Lock use, Exposure Compensation use, TLA Flash status, Over/Under Exposure warnings and Film Supply Indication.

A special frame counter at the left of the viewfinder screen provides the photographer with film supply information.

An optical aperture indication window is located at the top center of the screen.

A special red LED below the Frame Counter lights to indicate when the Exposure Compensation system is in use. Above the Shutter Speed display, a green "arrow" LED lights steadily whenever a TLA Flash unit is attached and ready for use, and flickers as a 'confidence light' after flash shots if exposure was accurate.

Over and Under exposure warnings are indicated by the OVER and B LEDs in the Shutter Speed display.

The Shutter Speed Display itself consists of LED dot indicators which light up to show operative speeds in the AE mode, and flicker to indicate an AE Lock shutter setting. In the Manual mode, one steadily-lit indicator shows the speed 'recommended' by the camera, while another flickering indicator shows the speed actually set. These can be aligned for correct exposure setting by manipulating either the shutter speed dial or lens aperture ring.

● **Extremely Low Power Consumption** — The entire electronics system of the 137 MA Quartz is designed to operate with minimal power consumption. Backing up this energy-saving design is a special auto cut-off system for the Viewfinder Data Display, which cuts off the display after 10 seconds. The display is reactivated simply by putting slight pressure on the Electromagnetic Shutter Release button.

● **TLA Auto Flash Control** — The combination of the 137 MA Quartz and a Contax TLA system flash unit makes electronic flash photography faster, simpler and more accurate than ever before. Through-the-lens center-weighted metering of flash exposure guarantees perfect lighting results, while the 'Fail-Safe' flash/shutter synchronization system keeps the camera in proper flash or non-flash mode, according to the status of the flash unit.

● **Simplified Controls** — In addition to the Shutter Speed Dial, the 137 MA Quartz is controlled quickly and simply through two additional switches. The Main Switch is a four-position control featuring Off, On, AE Lock and Battery Check selections. The Mode Control Switch selects single-frame (S) or continuous (C) operation of the Real Time Direct Drive system, or can be set at the Self-Timer (S-T) position.

- **AE Lock Function** — The AE Lock function operates to 'freeze' the camera's automated exposure system at the shutter speed then operative. This is a highly convenient function, which can be employed to overcome severe back or side lighting, standardize exposures in the AE mode, insure proper exposure of a small part of the overall scene or obtain X-synch AE shutter speeds slower than the standard 1/60 sec.

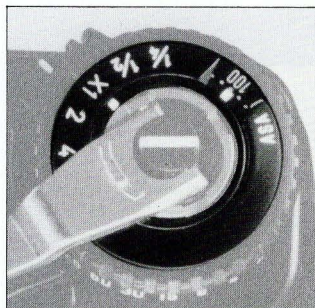
- **Exposure Compensation Function** — Moderate side or back lighting is overcome through the use of the Exposure Compensation system of the Contax 137 MA Quartz. This system provides ± 2 EV compensation of AE or Manual mode exposure settings, in 0.5EV increments. It can also be employed as a means of varying TLA flash exposure results, or to achieve various special lighting effects.

- **Quartz Self-Timer** — The 137 MA Quartz features a Quartz-timed, electronically operated Self-Timer that provides a precise 10-second delay. Self-Timer operation is indicated by a flashing red LED on the front of the camera body, and the flashing of the Monitor Lamp LED. These flashes accelerate during the final two seconds before shutter release. At any time, the Self-Timer can be cancelled simply by turning the Mode Selector Switch back to the C or S positions, and it can be reset again.

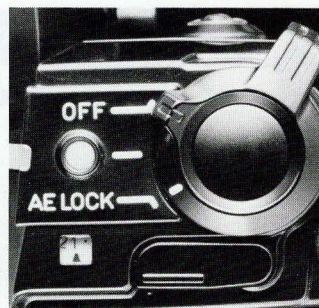
- **Electromagnetic Shutter Release** — At the heart of the system capabilities of the 137 MA Quartz is the standard Contax Electromagnetic Shutter Release, requiring only a 0.7mm stroke to operate with silken smoothness. This release system is exceptionally effective in reducing camera shake during handheld exposures, but also serves to operate all the many electronic Real Time System accessories that can be employed with the camera, including TLA Auto flash equipment, Off-Camera Control systems and others.

- **Contax/Yashica Bayonet Lens Mount** — The 137 MA Quartz features the standard Contax/Yashida three-claw bayonet lens mount, a rugged system that provides precision alignment of lens and film plane and allows the camera to accept all of the many optical-path Real Time accessories such as the Close-Up/Macro equipment. The exceptional Carl Zeiss T* lens series provides optical superiority, while Yashica-brand ML lenses can also be used.

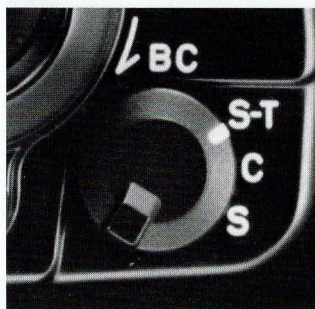
- **Film-Run Indicator** — A special Film-Run Indicator is built into the back of the Contax 137 MA Quartz, providing mechanical guarantee of proper film operation. The red/white indicator rotates along with film run, letting the photographer visually check that the film is running smoothly during advance or rewind.



Exposure Compensation Dial



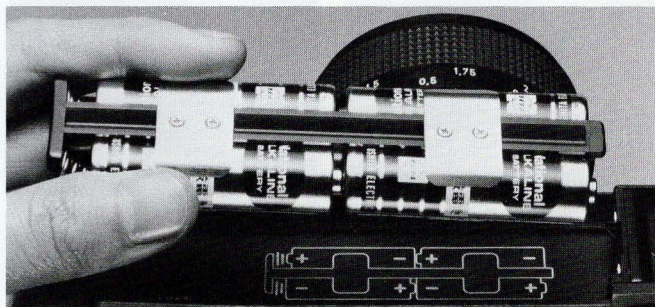
AE Lock Setting



The mode selector used for selecting single-frame or continuous motor-drive operation, and for setting the electronic self-timer.



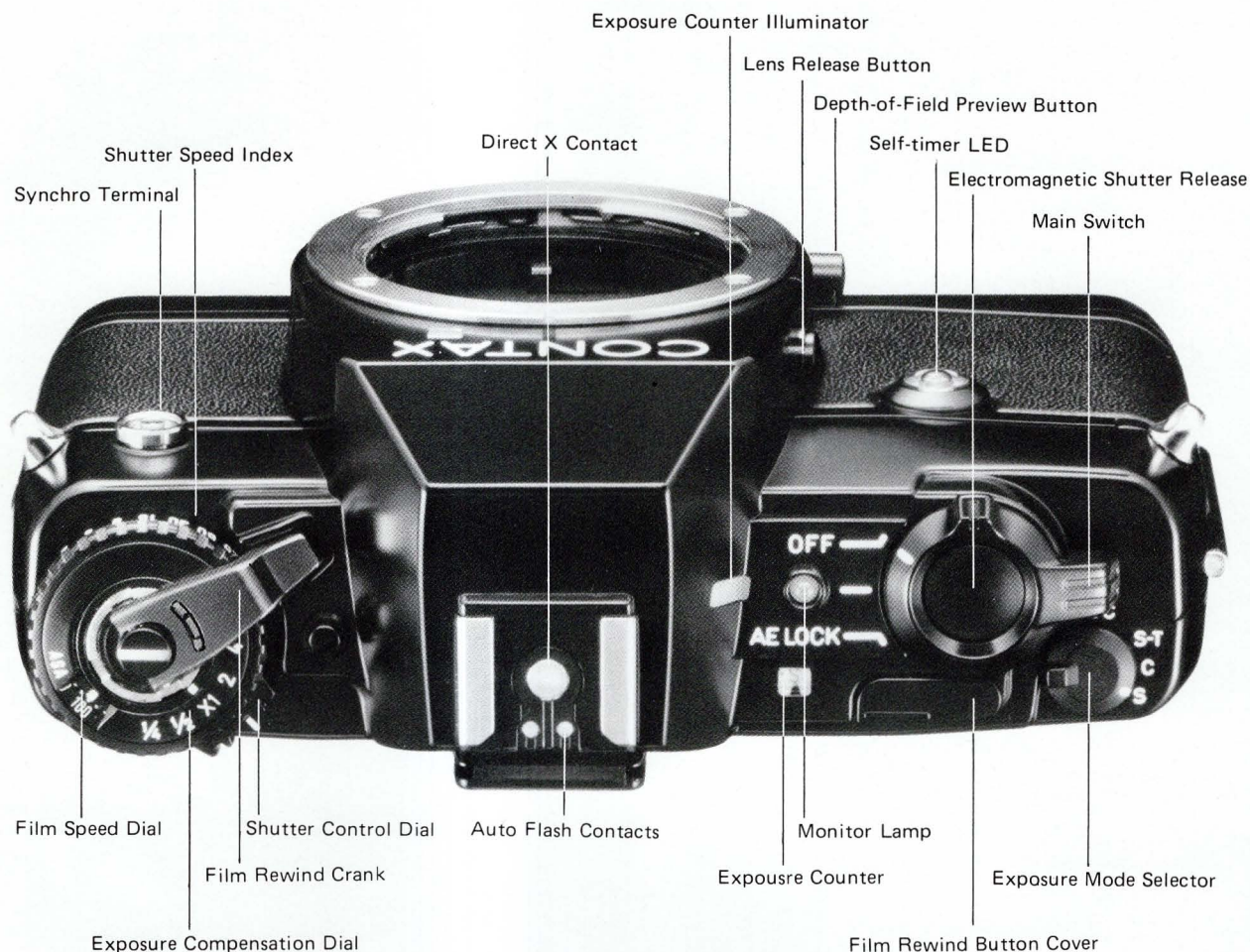
When the electronic self-timer is activated, the LED on the front of the camera body and the monitor lamp on top both flash in unison, accelerating during the last 2 seconds as warning.



Only four AA-size batteries, accommodate in this magazine, can supply power for exposing up to 50 rolls of 36-exposure film. (alkaline penlight batteries)



This tiny device rotates when the film is moving, either forward or rewind.



CONTAX 137 MA QUARTZ

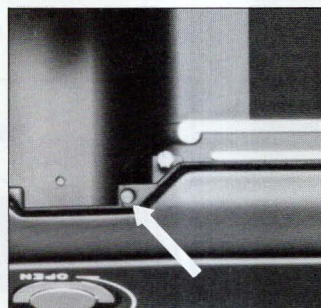
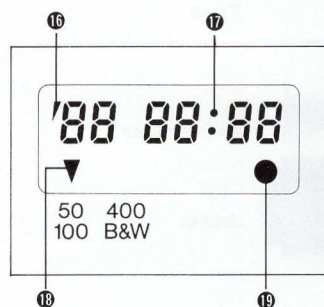
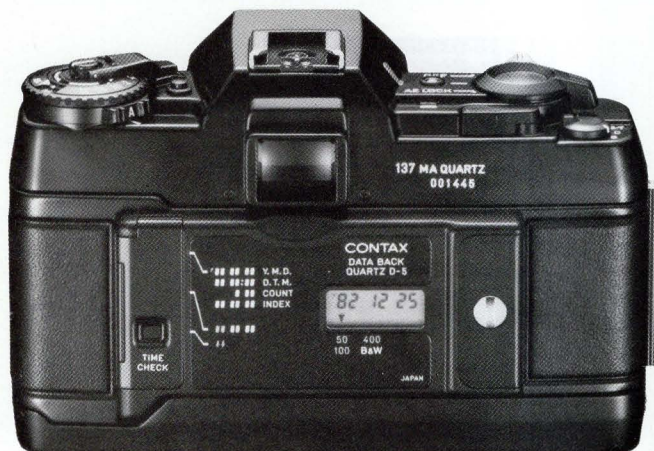
Specifications

• Type: 35mm single-lens reflex; aperture-preferred automatic exposure or manual exposure control; Quartz-timed operation; Contax TLA auto flash control; Real Time Direct Drive. **• Viewfinder:** Silver-coated pentaprism showing 95% field-of-view at 0.86X magnification. **• Lens Mount:** Contax/Yashica three-claw bayonet. **• Shutter:** Quartz-timed cloth focal plane shutter; electronic control with horizontal travel; AE Mode speeds from 11 to 1/1000 sec.; Manual Mode speeds from 1 to 1/1000 sec., plus B and X (1/60 sec.). 'Fail-Safe' flash/shutter synch with TLA flash. **• Shutter Release:** Electromagnetic with 0.7mm stroke; release socket for off-camera control accessories. **• Exposure Control:** Center-weighted TTL metering by SPD cell; EV range 0 to +18 (ASA100, f/1.4). TTL flash metering at film plane with TLA flash. **• Film Speed Range:** ASA 12 – 3200. **• Viewfinder Display:** LED display of shutter speed, exposure compensation, TLA flash status. Shutter speed LEDs flash to

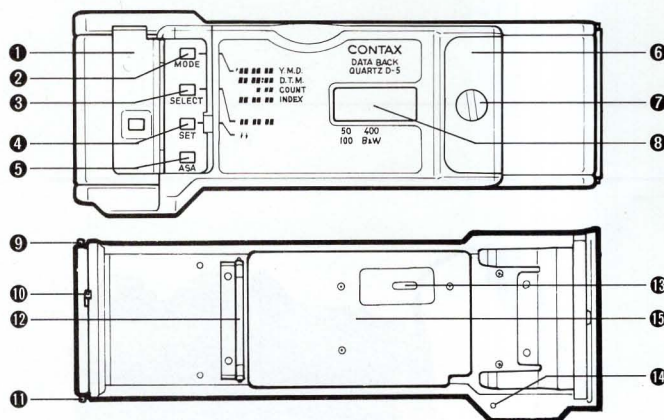
indicate AE Lock operation. Aperture and frame counter display. 10-second auto cut-off conserves battery power.

• AE Lock: Locks in shutter speed, aperture can be varied; continuous operation. **• Self-Timer:** Electronic, Quartz-timed, 10-second delay; cancellable/resettable; red LED and Monitor Lamp indicate operation. **• Film Advance:** Real Time Direct Drive, single-frame or continuous at 3fps. **• Exposure Compensation:** ± 2 EV in 0.5 EV increments. **• Film Supply Indication:** Accumulative, auto-resetting frame counter with additional display in viewfinder. **• Battery Check:** Monitor Lamp LED lights green to indicate sufficient battery power when Main Switch is in "BC" position. **• Power Source:** Four 1.5V (or 1.2V Ni-Cd) AA-size batteries. **• Main Switch:** Four-position (Off/On/AE Lock/BC); activates electronic functions and operates AE Lock, Battery Check features. **• Size:** 143 x 92.5 x 51mm (body only) (5-5/8 x 3-5/8 x 2in) **• Weight:** 610 grams (body only, w/o batteries.) (21.52oz)

CONTAX DATA BACK QUARTZ D-5 (for Contax 137MA/137MD Quartz) Price



Data Back LED



Description of Parts

- ① Counter Cover
- ② Mode Button
- ③ Select Button
- ④ Set/Time-Check Button
- ⑤ Film Speed Button
- ⑥ Battery Compartment Cover
- ⑦ Retaining Screw

- ⑧ Display Window
- ⑨ Hinge Pin
- ⑩ Release Lug
- ⑪ Hinge Pin
- ⑫ Film Pressure Roller
- ⑬ Data Imprinting Window
- ⑭ Sensor
- ⑮ Film Pressure Plate

A new and more advanced data back, the Contax Data Back Quartz D-5, has been developed for dedicated use with the new Contax 137MA Quartz or 137MD camera body.

The Data Back Quartz D-5 offers a number of improvements and new features, starting with cordless operation and connection to the camera body. Internally, the most advanced feature added to this new unit is a built-in Quartz timing Device operating at the same 32,768-pulse rate as the Quartz Crystal Elements used in Contax camera bodies. This Quartz Timer allows the Data Back Quartz D-5 to provide a highly precise Date/Hour/Minute imprint, accurate to within ± 15 sec./month, along with the conventional Year/Month/Date capability set by the photographer. Other modes of use possible with the Data Back Quartz D-5 include auto serial counting from 000 to 399, and numerical, six-digit code indication. The unit can also be set in a non-record mode. In the Date/Hour/Minute mode, operation is fully automatic, with the Quartz Timer providing the proper settings (leap years taken into account). Other features of the Data Back Quartz D-5 include: two-stage ASA adjustment, built-in auto battery check circuit, time check indication, external LCD operation check indication. The Contax Data Back Quartz D-5 is powered by two batteries of the SR44 (3.1 V) or LR44 (3V) type.

Specifications:

- **Type:** Seven-segment LCD (liquid crystal diode) projection data back with built-in Quartz timing device.
- **Operating Modes:** Year/Month/Date; Date/Hour/Minute; Serial Counting; Six-Digit Coding. (Non-record mode also settable)
- **Recordable Data:** Year/Month/Date, Date/Hour/Minute, Serial Counting (000-399), Six-Digit Coding (00-00-00-99-99-99)
- **Data Location:** Lower right corner of frame.
- **Recording Method:** Direct LCD projection onto film (Monitor & Photo LCDs operate in parallel).
- **ASA Selection:** Two-step adjustment.
- **Operating Checks:** Time check and battery/operating check
- **Power Source:** Two batteries, type SR44 (3.1V) or LR44 (3V).
- **Size:** 146 x 53.5 x 27mm (5-3/4 x 2-1/8 x 1-1/16 in)
- **Weight:** 80 grams (w/o batt.) (2.8 ozs)

(Display Window)

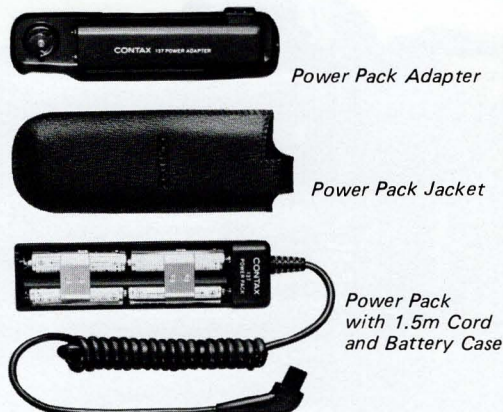
- ⑮ Pulsating mark indicating YMD Mode in effect
- ⑯ Pulsating mark indicating DTM Mode in effect
- ⑰ Film speed index
Comes on to indicate speed rating of loaded film

- ⑱ Imprint confirmation mark
Comes on (for one sec.) only when data is being imprinted. Indicates that data has been imprinted on film.

CONTAX 137 EXTERNAL POWER PACK SET

Price

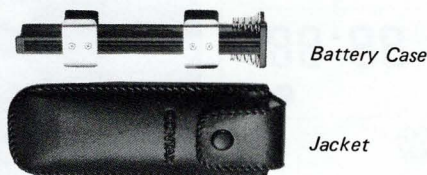
The External Power Pack Set for the Contax 137 MA Quartz consists of the Power Pack Adapter, Battery Case, Power Pack with Cord and Jacket. The Adapter fits in place of the regular camera base plate and the batteries are accommodated in the case so that they can be kept warm in cold weather for more reliable operation. Also useful for quick battery replacement under hard working conditions.



CONTAX 137 SPARE BATTERY CASE

Price

The Spare Battery Case is a convenient means of changing batteries quickly under hard working conditions. It interchanges instantly with the regular 137 MA Quartz battery case simply by removing the bottom plate of the camera body and switching battery cases.



CONTAX 137 GRIP ADAPTER

Price

This new accessory grip attaches to the base of the Contax 137 MA Quartz to provide a more secure hand-holding capability. It can be used at any time for steadying the camera, and must be employed when the 137 is used together with the RTF540 electronic flash unit, in order to provide clearance for the flash-bracket attachment.

