CONTAX

Instruction booklet
Gebrauchsanweisung
Mode d'emploi
Folleto de instrucciones

4

139 QUARTZ

Quartz, after revolutionizing modern timekeeping, now comes to photography - a field with an intimate relationship to time. The fantastically accurate pulses generated by this tiny crystal control all time-related functions of your Contax 139 Quartz, the world's first camera to apply the renowned accuracy of quartz. The result is that shutter speeds and all camera operating sequences are vitually error-free. Other outstanding camera features include "two-mode" exposure control: the normal auto/manual exposure system, and TTL Direct Flash Control, which regulates auto flash output from inside the camera when the accessory TLA 20 Auto Flash is used. Lenses include photography's finest and fastest– Carl Zeiss T* (T-Star) interchangeable Lenses with coverage all the way from 15 mm f/3.5 ultra wide-angle to 1000 mm f/5.6 telephoto. Also featured is the famous contax Electromagnetic Shutter Release System, with its unique electronic remote control possibilities; LED pulsar Auto/Manual viewfinder display, an exposure compensation dial, an AE Lock exposure memory device and a quartz-controlled self-timer. In addition to the exclusive 139 Winder and 139 Data Back, the wide range of Contax Real Time Accessories is on hand for use with the 139 Quartz, affording new levels of convenience in close-up and remote control photography.

Quarz, nach der Revolutionierung der modernen Zeitgebung kommt nun die Fotografie - ein Feld mit enger Beziehung zur Zeit. Die phantastisch exakten Impulse, die von diesem winzigen Kristallregler erzeugt werden, steuern alle zeitbezogenen Funktionen Ihrer Contax 139 Quartz, der ersten Kamera der Welt, die die berühmte Genauigkeit des Quarzkristalls besitzt. Das Ergebnis ist, daß die Verschlußzeiten und alle Bedienungsabfolgen der Kamera praktisch makellos sind. Andere hervorragende Merkmale der Kamera schließen eine Belichtungssteuerung in zwei Betriebsarten ein: das normale automatisch/manuelle System, und die direkte Blitzsteuerung durch das Objektiv (TTL), welche die Automatikblitzleistung vom Kamerainneren her steuert, wenn das als Zubehör erhältliche Automatikblitzgerät TLA 20 verwendet wird. Die Objektive umfassen die feinsten und empfindlichsten der Fotografie - Carl Zeiss T* (T-Star) austauschbare Objektive für den gesamten Bereich von 15 mm 1:3,5 Ultraweitwinkel bis zu 1000 mm 1:5,6 Teleobjektiv. Sie besitzt ebenfalls das berühmte Contax elektromagnetische Verschlußauslösesystem mit seinen einzigartigen elektronischen Fernbedienungsmöglichkeiten; LED Impulsgeber mit Auto/Manuell-Sucheranzeige, Belichtungskompensationsskala und eine Belichtungsspeicherungsvorrichtung "AE Lock" sowie einen quarzgesteuerten Selbstauslöser. Zusätzlich zum exklusiven Winder 139 und der Datenrückwand 139 steht der weite Bereich des Real Time-zubehörs von Contax zur Verwendung mit der 139 Quartz zur Verfügung, das neue Normen der Verwendbarkeit bei Nah- und Fernbedienungsfotografie ermöglicht.

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Description of Parts

① Exposure Counter
② Film Speed Ring
③ Film Advance Lever
④ Exposure Compensation Dial
⑤ Electromagnetic Shutter Release
⑥ Exposure Compensation Index
⑦ Exposure-Compensation-Lock Release/Multiple Exposure Button
⑧ Accessory Shoe
⑨ Auto Flash Contacts
⑩ Direct X Contact
⑪ Shutter Speed Index
⑫ Film Rewind Knob
⑬ Film Rewind Crank
⑭ Shutter Control Dial
⑮ X Sync Terminal
⑯ Exposure Check Button
⑰ AE (Auto Exposure) Lock Lever
⑱ Self-Timer Index
⑲ Self-Timer Flasher
⑳ Self-Timer Set Lever
㉑ Depth-of-Field Preview Button
㉒ Lens Release Button
㉓ Aperture Ring
㉔ Focusing Ring
㉕ Aperture/Distance Scale Index
㉖ Lens Mount Index
㉗ Aperture Display Illuminator

Bezeichnung der Teile

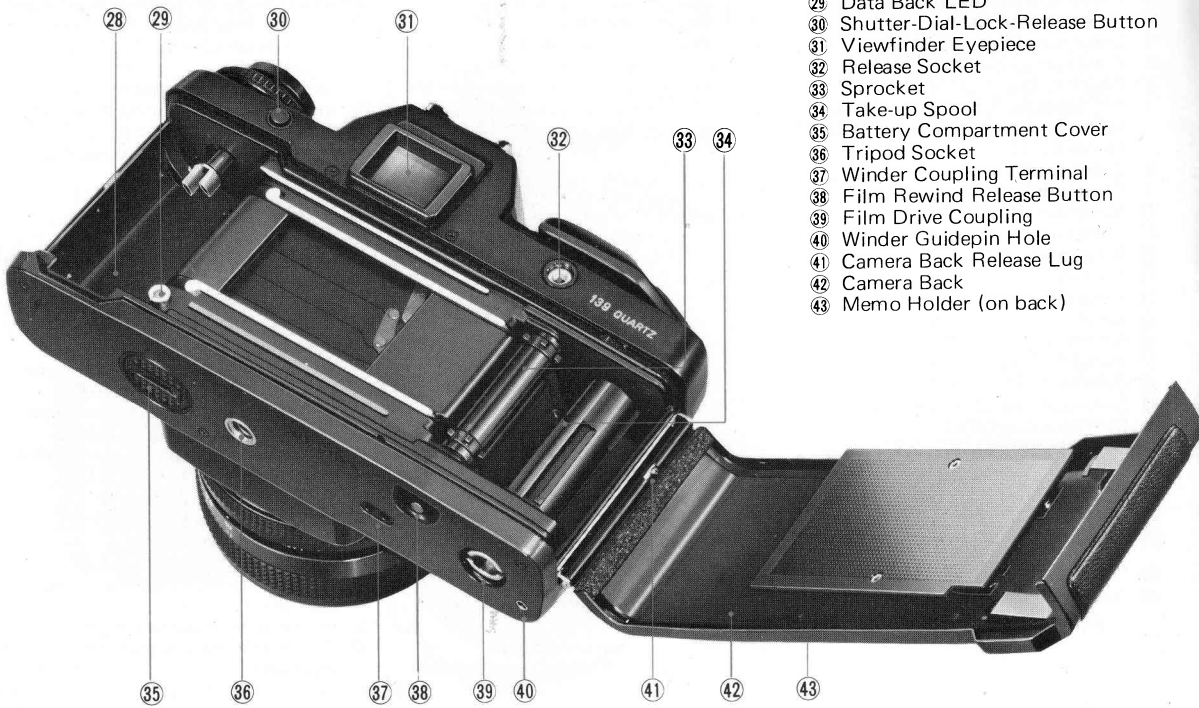
① Bildzählwerk
② Filmempfindlichkeitsring
③ Filmtransporthebel
④ Belichtungskorrekturskala
⑤ Elektromagnetischer Auslöser
⑥ Belichtungskorrekturindex
⑦ Entriegelung für Belichtungskorrektureinstellung/Taste für Mehrfachbelichtung
⑧ Zubehörschuh
⑨ Kontakte für Blitzautomatik
⑩ Mittenkontakt
⑪ Verschlußzeitenindex
⑫ Rückspulknopf
⑬ Rückspulkurbel
⑭ Verschlußzeitenring
⑮ Blitzkontakt für Kabelanschluß
⑯ Belichtungsprüfknopf
⑰ Hebel für Meßwertspeicherung
⑱ Selbstauslöserindex
⑲ Selbstauslöser-Blinkanzeige
⑳ Selbstauslöserhebel
㉑ Schärfentiefenprüfknopf
㉒ Objektiventriegelung
㉓ Blendenring
㉔ Entfernungsring
㉕ Einstellindex für Blende und Entfernung
㉖ Objektivindex
㉗ Beleuchtung für Blendenanzeige

Désignation des pièces

① Compteur de vues
② Bague des sensibilités du film
③ Levier d'armement
④ Cadran de correction d'exposition
⑤ Déclencheur électromagnétique
⑥ Index de correction d'exposition
⑦ Bouton de déverrouillage de la correction d'exposition/surimpression
⑧ Griffe porte-accessoires
⑨ Contacts de flash automatique
⑩ Contact direct X
⑪ Index des vitesses d'obturation
⑫ Bouton de rembobinage du film
⑬ Manivelle de rembobinage du film
⑭ Sélecteur de vitesse d'obturation
⑮ Prise de synchronisation X
⑯ Bouton de contrôle d'exposition
⑰ Levier de mise en mémoire d'exposition automatique (AE)
⑱ Index de retardateur
⑲ Clignotant de retardateur
⑳ Levier de réglage du retardateur
㉑ Bouton de contrôle de la profondeur de champ
㉒ Bouton de déverrouillage d'objectif
㉓ Bague des ouvertures
㉔ Bague de mise au point
㉕ Index de l'échelle des distances/ouvertures
㉖ Index de montage d'objectif
㉗ Eclairage d'affichage d'exposition

Descripción de las partes

① Contador de exposiciones
② Anillo de sensibilidades de película
③ Palanca de avance de la película
④ Disco de compensación de la exposición
⑤ Disparador electromagnético
⑥ Indice compensador de exposición
⑦ Botón desbloqueador de compensación de la exposición/exposiciones multiples
⑧ Zapata para accesorios
⑨ Contactos para accesorios
⑩ Contacto X directo
⑪ Indice de velocidades de obturación
⑫ Rebobinador de la película
⑬ Manivela de rebobinado
⑭ Disco de control del obturador
⑮ Terminal para sincronización X
⑯ Botón de control de la exposición
⑰ Palanca de bloqueo para AE
⑱ Indice del disparador automático
⑲ Luz del disparador automático
⑳ Palanca del disparador automático
㉑ Botón de visión previa de la profundidad de campo
㉒ Botón para extraer el objetivo
㉓ Anillo de aberturas
㉔ Anillo de enfoque
㉕ Indice de la escala de distancias/aberturas
㉖ Indice de montaje del objetivo
㉗ Iluminador del visualizador de aberturas



㉘ Film Chamber
㉙ Data Back LED
㉚ Shutter-Dial-Lock-Release Button
㉛ Viewfinder Eyepiece
㉜ Release Socket
㉝ Sprocket
㉞ Take-up Spool
㉟ Battery Compartment Cover
㊱ Tripod Socket
㊲ Winder Coupling Terminal
㊳ Film Rewind Release Button
㊴ Film Drive Coupling
㊵ Winder Guidepin Hole
㊶ Camera Back Release Lug
㊷ Camera Back
㊸ Memo Holder (on back)

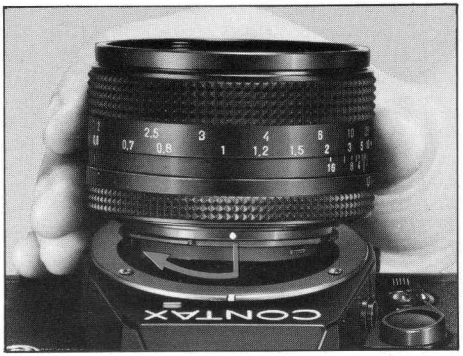
㉘ Filmkammer
㉙ Steuer-LED-Kontakt für Datenrückwand
㉚ Entriegelung für Verschlußzeitenring
㉛ Okular
㉜ Fernauslöserbuchse
㉝ Zahntrommel
㉞ Aufwickelspule
㉟ Batteriefachdeckel
㊱ Stativbuchse
㊲ Steuerkontakte für Winder
㊳ Rückspulentriegelung
㊴ Winderkupplung
㊵ Paßloch für Winder
㊶ Rückwandverriegelung
㊷ Kamerarückwand
㊸ Filmsortenfenster mit ASA-DIN-Tabelle (auf der Rückwand)

㉘ Compartiment du film
㉙ Relais de signal LED (diode électroluminescente) de dos dateur
㉚ Bouton de déverrouillage de sélecteur de vitesse
㉛ Oculaire
㉜ Prise de télécommande
㉝ Roue dentée
㉞ Bobine réceptrice
㉟ Couvercle du compartiment des piles
㊱ Embase filetée pour pied
㊲ Prise de couplage pour Winder
㊳ Bouton de débrayage pour le rembobinage du film
㊴ Couplage de transport du film
㊵ Orifice d'ergot de guidage de Winder
㊶ Ergot de déverrouillage du dos
㊷ Dos de l'appareil
㊸ Cadre aide-mémoire (sur le dos)

㉘ Alojamiento de la película
㉙ Relé de señalización por LED del respaldo para datos
㉚ Botón de desbloqueo del disco del obturador
㉛ Ocular del visor
㉜ Orificio del disparador
㉝ Rueda dentada
㉞ Carrete enrollador
㉟ Tapa del compartimiento de las pilas
㊱ Rosca para el trípode
㊲ Terminal para acoplamiento de bobinadora
㊳ Desbloqueador para el rebobinado de la película
㊴ Acople para accionamiento de la película
㊵ Orificio de la espiga de guía de la bobinadora
㊶ Tope para abrir el respaldo de la cámara
㊷ Respaldo de la cámara
㊸ Portanotas (en el respaldo)

Mounting the Lens

After removing the camera body cap, insert the lens mount into the camera body mount, matching the red dot on the lens mount with that on the camera body. Then, gripping the lens barrel firmly, turn the lens clockwise until it locks with a click.



Removing the Lens

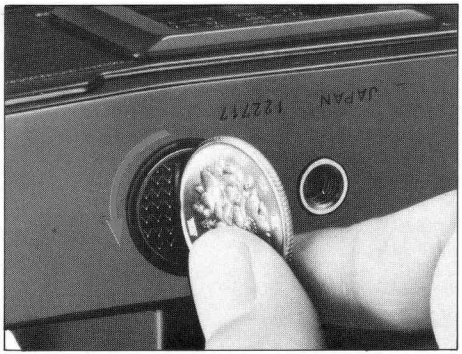
While keeping the lens release button depressed, turn the lens barrel all the way to the left and lift the lens out of the mount. Always keep both the camera body mount and the lens mount covered with their respective caps when the lens is not mounted. Also, cover the front of the lens with the front lens cap when not in use.

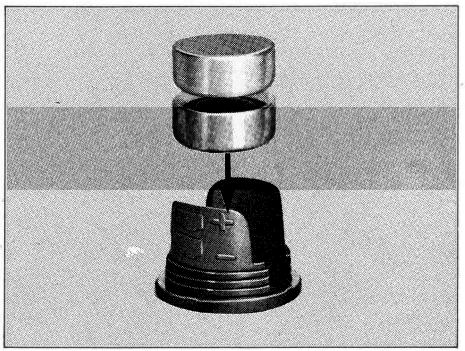
- Avoid touching the inside of the camera or the glass surfaces of the lens with your fingers.
- Avoid direct sunlight when interchanging lenses with film loaded in the camera.

Installing Batteries

The camera's exposure control and shutter systems will not function unless batteries are installed in the camera. Always make sure that batteries are installed properly.

1 Open the battery compartment cover at the base of the camera by turning it in the direction of the arrow with the edge of a coin.
2. Insert two 1.5V silver-oxide batteries (Eveready S76, Ucar S76, Mallory MS-76 or equivalent) into the battery compartment in accordance with the polarity diagrams on the holder. Then, replace the holder inside the compartment and tighten the battery compartment cover.

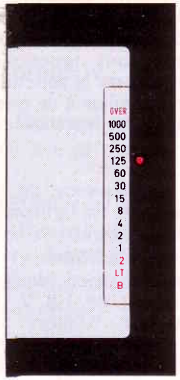




Battery Check

Batteries are checked easily by pressing the exposure check button when the shutter control dial is set to AUTO. On AUTO, the LEDs inside the viewfinder between "1000" and "LT" normally light continuously. When batteries are low, however, these LEDs will flicker. When this occurs, the camera will still operate properly for some time, but for convenience sake, you should change both batteries at this point or have a spare set on hand for replacement when those in the camera go out.

- As the LEDs at the "OVER" and "B" settings normally flicker to indicate over or underexposure in all operating modes (both AUTO and non-auto), flickering at these settings does not necessarily indicate batteries are low.



Battery Check with LEDs that Normally Flicker:

After you are familiar with the camera operation, it is also easy to discern when batteries are low for shutter speeds and modes where the LEDs normally flicker. For example, manual exposure, when the AE lock is set, and at the "OVER" and "B" settings in both auto and non-auto modes. When batteries are low with LEDs that normally flicker, the flash interval at which they flicker (four times per second) slows to half the normal rate.

Batterieprüfung

Die Batterieprüfung erfolgt bei dieser Kamera bei Druck auf den Batterieprüfknopf mittels der Leuchtdioden im Sucher. Der Verschlußzeitenring muß sich dazu in der Stellung "AUTO" befinden. Im Normalfall leuchten in dieser Stellung die Leuchtdioden im Sucher zwischen "1000" und "LT" auf, Bei niedriger Batteriespannung beginnen die Leuchtdioden jedoch zu blinken. In einem solchen Fall ist die Kamera noch für einige Zeit betriebsbereit, es empfiehlt sich jedoch, sicherheitshalber die Batterien zu ersetzen oder bei weiteren Aufnahmen Ersatzbatterien mitzuführen.

- Bitte beachten Sie, daß die Leuchtdioden in den Stellungen "OVER" und "B" sowohl in automatischer als auch manueller Betriebsart zur Anzeige von Über- oder Unterbelichtung blinken. Dieses Blinken weist nicht auf ungenügende Batteriespannung hin!

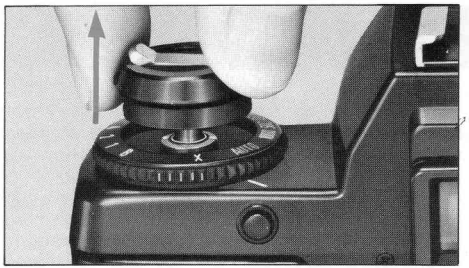
Batterieprüfung im Falle blinkender Leuchtdioden:

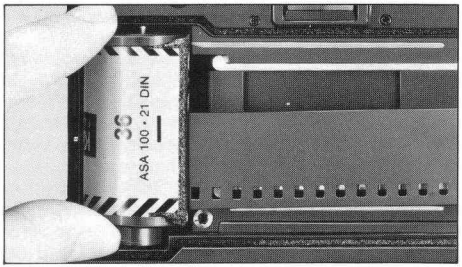
Normalerweise blinken die Leuchtdioden bei folgenden Einstellungen und Betriebsarten: Manuelle Einstellung der Verschlußzeiten, Meßwertspeicherung und in der Stellung "OVER" und "B" sowohl in automatischer als auch manueller Betriebsart. Die Blinkfrequenz beträgt dabei 4 Hz (4 x pro Sek.). Ist die Batteriespannung ungenügend, dann blinken die Leuchtdioden mit nur der halben Frequenz, d.h. 2 Hz (2 x pro Sek.). Wenn man sich mit der Kamera und ihren Anzeigen vetraut gemacht hat, ist es nicht weiter schwierig, diese beiden Blinkfunktionen zu unterscheiden.

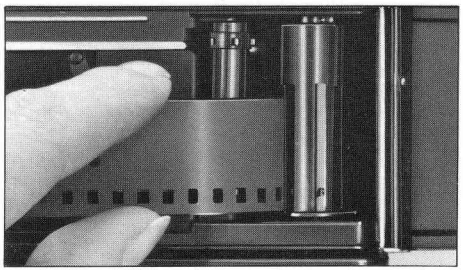
Film Loading

Avoid direct sunlight when loading film. Always use a standard 135 film cassette (12, 20, 24, or 36 exposure load).

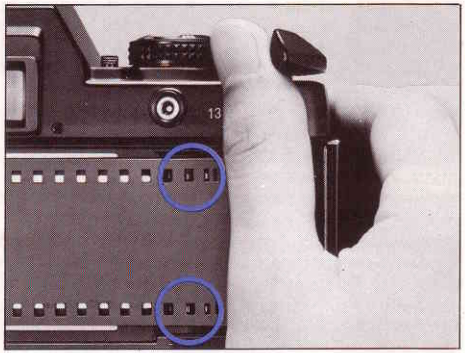
1 Open the camera back by pulling the film rewind knob all the way out and remove the flash test sheet before loading film.
2 Install the film cassette in the film chamber. Then, push the rewind knob back in, twisting back and forth slightly until it slips into place.
3 Pull out the film end and insert the tip of the film into one of the slots of the take-up spool as illustrated.





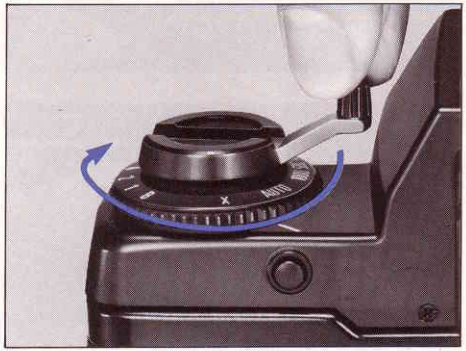


4 Slide the film advance lever out past the ridge of the camera with your thumb and advance the film slightly until the sprocket teeth properly catch the perforations on both edges of the film (if necessary, trip the shutter, and continue advancing the film until both edges catch). Close the camera back and press until it locks into place.
5 Fold the film rewind crank out and turn it gently in the direction of the arrow to take up film slack.



Film Advance to Exposure "1"

Before advancing the film to the first exposure, set the shutter speed dial to any setting other than AUTO, or remove the lens cap and point the camera toward the light. Otherwise, excessively long exposures will result, hindering film advance to the first exposure.

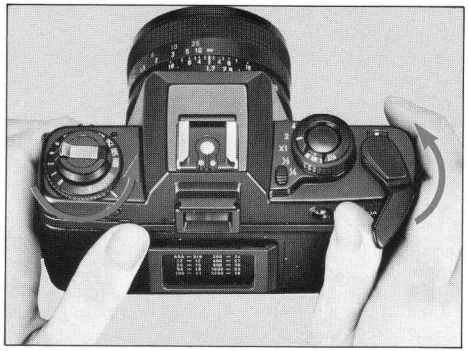


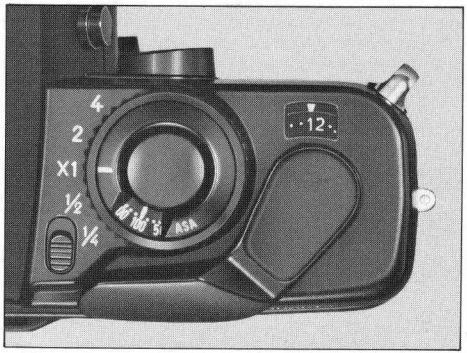
6 Wind the film advance lever and trip the shutter alternately until the exposure counter reaches "1". The film rewind knob will rotate counterclockwise while turning the film advance lever if the film is advancing properly.

- Wind the film advance lever one full turn to advance the film. The magnetic shutter release will not function, until the lever is completely wound.

Exposure Counter

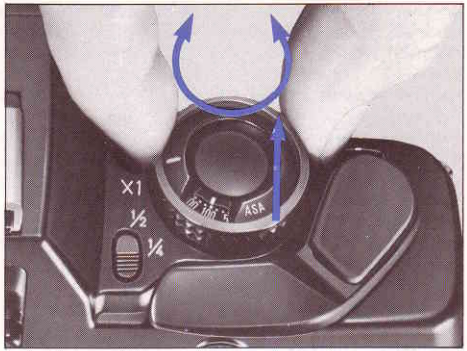
The exposure counter registers the number of exposed frames and is calibrated from 1 to 36 for frame indication. The numbers 12, 20, 24 and 36 are in orange to indicate the last frame of the respective film rolls. The counter automatically resets to "S" (start) when the camera back is opened.





Setting the Film Speed

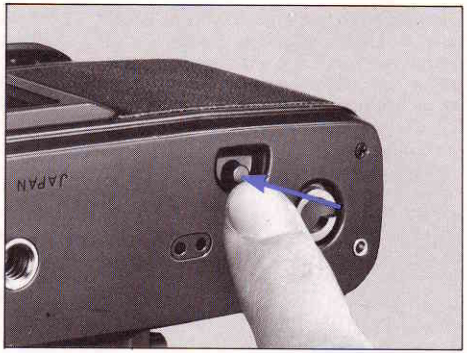
The ASA or DIN film speed rating specified on the outer box or the instruction sheet which comes with the film indicates the degree of light sensitivity of the film.
Before shooting, the film speed ring must be set to the speed of the film in use to insure proper exposure.
To Set: Lift the film speed ring surrounding the exposure compensation dial and turn it until the figure corresponding with the ASA film speed rating of the film loaded in the camera aligns with the index mark.

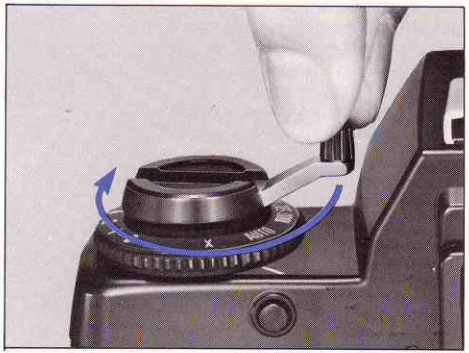


Memo Holder/ASA – DIN Chart
The memo holder on the camera back cover is handy for holding exposure information. Insert the end of the film box, notes, etc., into the memo holder to remind yourself of the type of film loaded in the camera and other exposure information. An ASA – DIN chart is provided inside the holder for quick film speed conversion.

When the exposure counter registers the number equivalent to the exposure load of the film in use, you have reached the end of the roll and the film must be rewound all the way before opening the camera back. Avoid advancing the film forcibly at the end of the roll as the film perforations will tear, making it impossible to rewind the film.

1 Press the film rewind button at the camera base all the way and let go.
2 Fold out the film rewind crank and turn the rewind knob in the direction of the arrow to rewind the film. Continue winding until you no longer feel the resistance of the film as you turn. When the knob rotates freely, it indicates that the film is fully rewound into its cassette. Open the camera back and remove the film for processing.





Focusing

The Contax 139 features a split-image, microprism viewfinder screen with a matte field to enable convenient 3-way focusing through the viewfinder. When using the split-image center spot to focus, turn the lens focusing ring until the two images in the split-image center spot align as one. To focus with the microprism collar, turn the focusing ring until the glitter disappears inside the collar. For quick focusing with the matte field, merely turn the focusing ring until the image appears clear and sharp in the matte field.

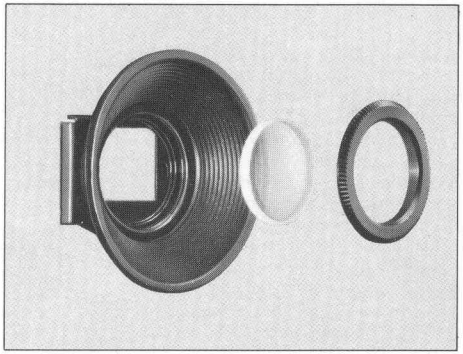
In focus/Scharf/Bonne mise au point/Enfocada

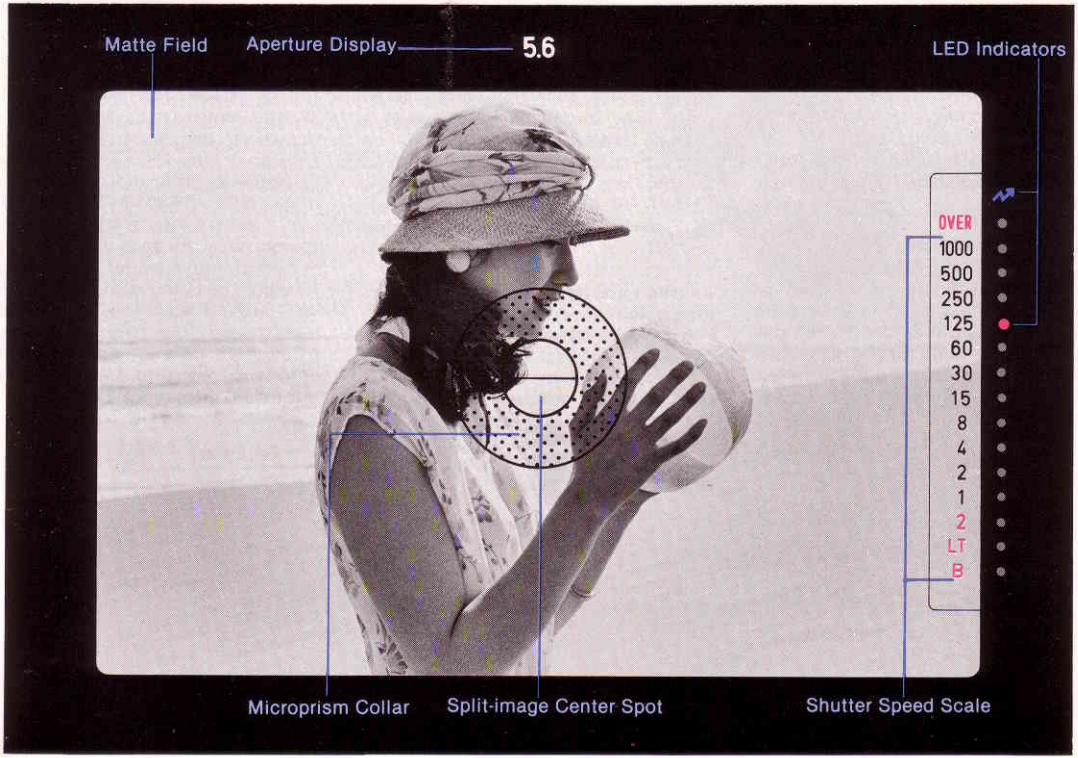
Out of focus/Unscharf/Mauvaise mise au point/Desenfocada

- With longer telephoto lenses and other lenses having small maximum apertures (i.e. f/5.6 or smaller), the split-image center spot and microprism may cause difficulty in focusing because the image will be too dark in the center spot. In these instances, best results are obtained by focusing with the matte field.

Eyesight Adjustment Lenses

Special eyesight adjustment lenses with a diopter range from −5 to +3 are available for persons requiring eyesight correction. If you are an eyeglass wearer and find focusing difficult, ask your dealer about these special lenses.




Matte Field
Aperture Display
5.6
LED Indicators
OVER
1000
500
250
125
60
30
15
8
4
2
1
2
LT
B
Microprism Collar
Split-image Center Spot
Shutter Speed Scale

The viewfinder of the Contax 139 always gives readings at full aperture for bright and easy focusing. It also gives all the essential exposure information.

Shutter Speed Scale
The figures along the right side of the viewfinder indicate the various shutter speeds. The black figures indicate speeds down to 1 second (for example, "1000" = 1/1000 sec., "2" = 1/2 sec., etc.). The red "2" indicates a shutter speed of 2 seconds, "LT" indicates long exposures on AUTO (up to 11 sec.), and the red "B" (Bulb) is for indefinite exposures. "OVER" at the top of the scale indicates overexposure.

LED Indicators
When the exposure check button is depressed, one or more LED (light-emitting-diode) indicator lamps will light in the viewfinder to indicate the shutter speed, mode of operation and other exposure information. The LED indicators will remain lit for 10 seconds after you press the exposure check button; they will either flash or remain lit constantly, depending on the mode of operation. The green (↗) mark at the top of the shutter-speed scale is the flash data indicator for the 139's exclusive TLA Auto Flash units; it signals when the unit is charged and also flashes confirmation following flash exposures on AUTO to indicate that the subject was within auto flash range.

Aperture Display
The number appearing in the window at the top of the viewfinder is the aperture setting of the lens (also called the f-number). The display changes as the lens' aperture ring is rotated to keep you informed of the f-number in use. The complete display runs •, 1.4, 2, 2.8, 4, 5.6, 8, 11, 16, 22, 32, (the first large dot indicates f/1.2).

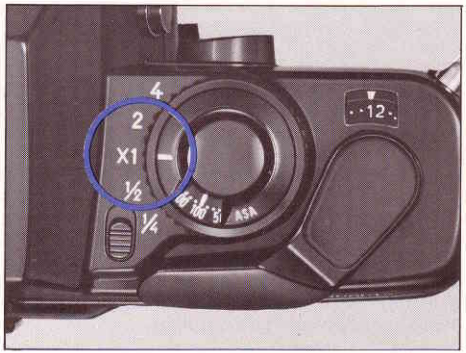
• In instances when lenses having a maximum aperture of f/5.6 or smaller are used, or when accessories are mounted to the camera which do not feature diaphragms or direct automatic diaphragm linkage (auto bellows, microscope adapter, etc.), the aperture display remains fixed at 1.4 and should be disregarded. However, the camera's automatic exposure system continues to function and shutter speed readouts are given as normal.

Split-Image/Microprism Center
The Contax 139 features 3-way focusing via a horizontal split-image spot surrounded by a microprism collar in the center of a matte/field. (See page 26 for focusing details.)

Your Contax 139 features fully automatic, through-the-lens electronic exposure control. You merely preset the film speed and lens aperture and the camera's exposure system varies the shutter speed continuously on AUTO to assure correct exposure under varying lighting conditions. In addition to aperture preselection, you can also preselect the shutter speed on AUTO. When operating the camera in the AUTO mode, the correct shutter speed is indicated by an LED which remains constantly lit in the viewfinder for 10 seconds after you press the exposure check button.

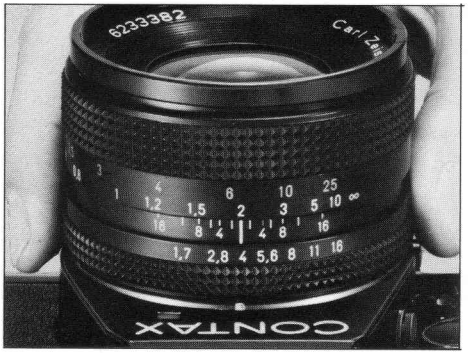
<Presetting the Lens Aperture>

1 Set the shutter control dial to **AUTO** and the exposure compensation dial to **X1.** The **AUTO** and **X1** settings of the respective dials are the normal shooting positions with the Contax 139 (both dials feature special locks to prevent accidental movement when set to these positions).



2 Preselect the lens aperture (also called f-number or f-stop) by indexing the appropriate aperture setting on the aperture ring. The f-number you have selected will also appear in the viewfinder aperture display window. Use the following table as a guide for selecting the f-number.

Lighting Condition	f-number
Outdoors under bright sunlight	16, 11, 8
Outdoors (overcast)	5.6, 4
Indoors or night photography	2.8, 1.7, 1.4



3 Sight through the viewfinder, focus and press the exposure check button. Exposure is adequate when the LEDs light between the "1000" and "LT". If the shutter speed indicated is faster than 1/30 sec., release the shutter; if the indicated shutter speed is 1/30 sec. or slower, follow the special instructions on the next page.