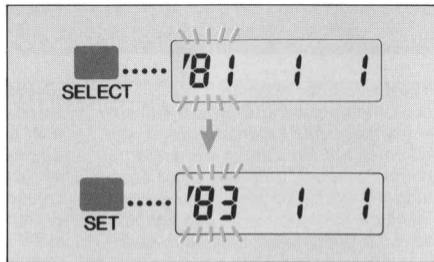


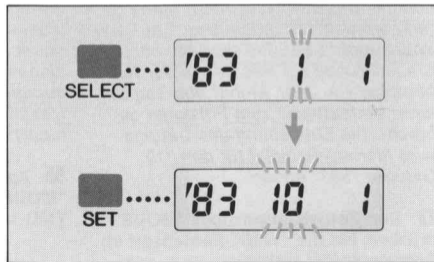
2 Adjust the year digits.

Depress the "SELECT" Button, causing the year digits to pulsate. Then depress and hold down the "SET" button until the year digits advance to "83". After passing "99" (for 1999), the year digits will revert to "00".



3 Adjust the month digits.

Depress the "SELECT" Button, causing the month digits to pulsate. Then depress and hold down the "SET" button until the month digits advance to "10". After passing "12", the month digits will revert to "1".

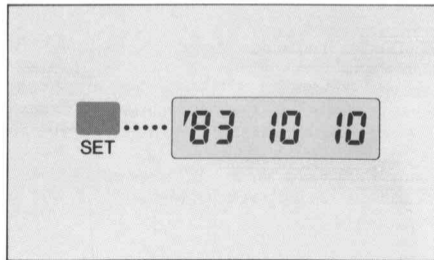
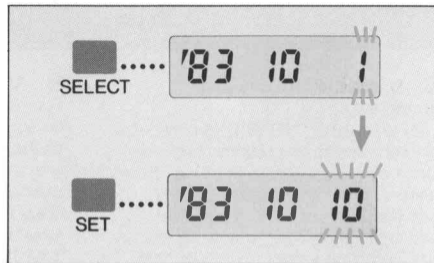


4 Adjust the day digits.

Depress the "SELECT" button, causing the day digits to pulsate. Then depress and hold down the "SET" button until the day digits advance to "10". After the end of a month with 30 or 31 days, the day digits automatically revert to "1". In February, the day digits automatically revert to "1" after the 28th day (or the 29th on leap year).

5 Depress the "SELECT" Button Again

This clears the digit adjusting function, returning the display to the normal YMD mode in which all the data except for the " / " stay on steadily.



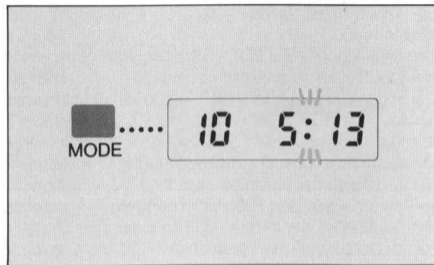
< Setting the Time >

The Contax Data Back Quartz D-4 has a built-in quartz clock. When it is necessary to reset it because of a battery change or for some other reason, use the "SELECT" and the "SET" buttons to do the resetting. Each time the "SELECT" button is pressed, the hour, minute and second digits will successively pulsate in the above order, indicating the digits to be reset.

Here, 17:25 hours (5:25 pm) on the 10th day shall be given as an example.

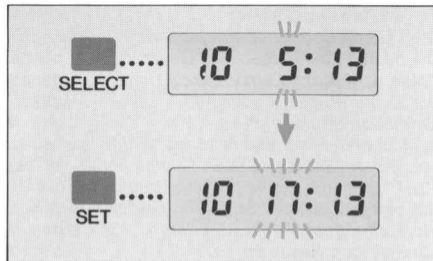
1 Depress the "MODE" button until the "DTM" mode appears in the display window.

The Day digits will change to correspond with the day data in the YMD mode.



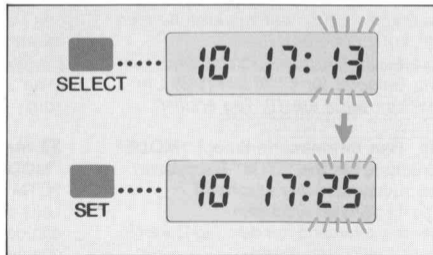
2 Reset the “Hour” digits.

Depress the “SELECT” button until the hour digits begin pulsating. Then use the “SET” button to advance the hour digits to “17”. After passing “23”, the hour digits will revert to “0”.



3 Reset the “Minute” digits.

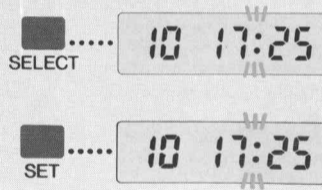
Depress the “SELECT” button until the minute digits begin pulsating. Then use the “SET” button to advance the minute digits to “25”. After passing “59”, the minute digits will revert to “0”.



4 Reset the second digits.

Although digits for seconds are not displayed, the clock can still be reset to synchronize with the seconds on radio and telephone time signals. When the "SELECT" button is depressed subsequent to a resetting of the minute digits, this will be the only time that the ":" mark will pulsate at the reset pulsating rate. Depressing of the "SET" button to synchronize with the time signal will cause the count for seconds to revert to "0".

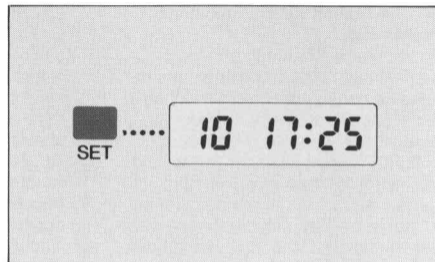
Pulsating when seconds are reset (twice a second)
Pulsieren beim Nachstellen der Sekunden
(zweimal pro Sekunde)
Clignotement lors de la mise à la seconde
(deux fois par seconde)
Parpadea cuando se reponen los segundos
(dos veces por segundo)



- The built-in quartz clock is designed to normally continue running at all times. Thus, when the clock count for seconds is somewhere between “0” and “29” before the “SET” button is depressed, depressing of the button will cause the count to revert to “0” second, and when the count is between “30” and “59” at that time, the count will revert to “0” and advance the minute count in the display window to the next number. Thus, the resetting of the second has been accomplished, making it a simple matter to reset the minute digits according to step 3 above.

5 Depress the “SELECT” button again.

The clock will be cleared from the resetting mode, reverting to the DTM mode and to the regular pulsating rate for the “:” mark.



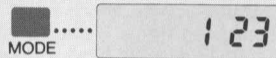
Setting the Count/Index Modes

1 Depress the “MODE” button to select the “COUNT” or “INDEX” mode.

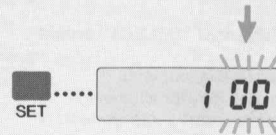
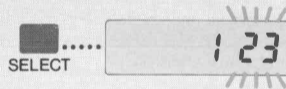
2 Depress the “SELECT” button so that the digits to be changed will begin pulsating.

When in the “COUNT” or “INDEX” mode, each depression of the “SELECT” button will cause the next two digits to left to begin pulsating, making adjustment of the pulsating digits possible.

(Example) In count mode: When counting from “200”
(Beispiel) Bei Zählbetrieb: Zählen von “200”
(Exemple) En mode de comptage: comptage depuis “200”
(Ejemplo) En el mode de cómputo: Cuando se cuenta desde “200”



Setting the two rightmost digits
Einstellen der beiden ganz rechten Stellen
Mise au point du chiffre le plus à droite
Ajuste de los dos dígitos de la derecha



3 Depress the "SET" button to reset the number.

In the "COUNT" mode, the last two digits will revert to "00" after passing "99", while the third digit from the right will revert to "0" after passing "3".

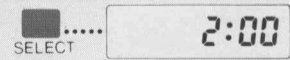
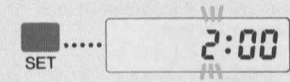
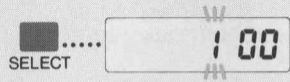
In the "INDEX" mode, each pair of digits will revert to "00" after passing "99".

4 Depress the "SELECT" button again.

This will clear the resetting function. All modes will now be displayed in a steadily lit, normal operating pattern.

Setting the third digit from the right/Einstellen der dritten Stelle von rechts

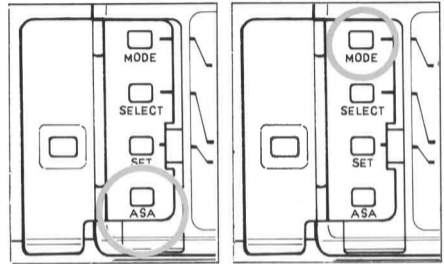
Mise au point du troisième chiffre depuis la droite/Ajuste del tercer dígitor de la derecha



Imprinting of Data Onto Film

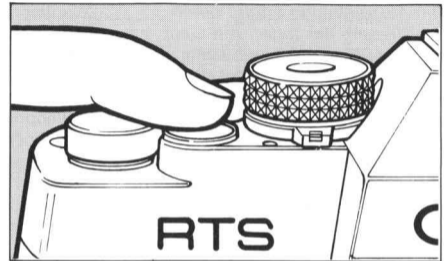
The imprinting is accomplished by projecting data from a six-digit 7-segment liquid crystal display format onto the reverse side of the film. Normally, automatic recording of the data is enabled through coupling with the shutter release system. However, manual imprinting capability is also available.

- 1** Depress the "ASA" button, setting the "▼" mark opposite the film speed suitable for the loaded film.
- 2** Depress the "MODE" button, setting the desired imprinting mode in the display window.



3 Depress the camera shutter release button to make your exposure. After activation of the shutter, the imprint confirmation mark “●” will come on for about one second in the window display to indicate that the data imprinting has occurred.

- When imprinting is not desired, set the display window to the “NO-IMPRINTING” mode.
- Can be used for automatic imprinting in continuous sequence shooting with the RTW and PMD units.
- Cannot be used for imprinting with the camera’s mechanical shutter system.

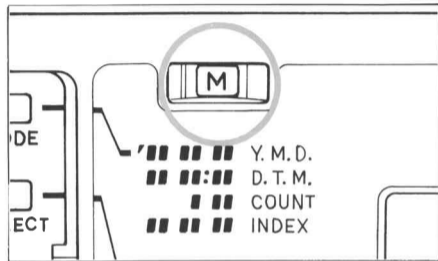


<Using With the Contax RTS>

When using the data back with the Contax RTS, the data is imprinted manually by depressing the manual imprinting button marked "M" with each exposure of the camera. Depressing of this button will enable imprinting of the window display data, the imprint confirmation mark "●" also coming on at this time.

<Specially Designed Focusing Screen>

For the RTS II Quartz, a specially designed focusing screen (FS-41) has been made available. It features a pair of superimposed guidelines which, as you compose on your subject, frames the imprinted data position and comes in handy for checking the background there to see if it is of sufficient contrast for clearly legible imprinting.



Battery Changing Time

The Contax Data Back Quartz D-4 is designed to automatically undertake its own battery checking function. When the battery output is normal, the displayed data will stay on continuously. However, all the displayed data will pulsate to let you know when the output has fallen below its rated level. When this occurs, replace the batteries with fresh ones.

When the displayed data begins pulsating, the data back's clock system will still continue to run normally but the data back itself may imprint with a light impression or may fail to imprint altogether so it would be advisable to avoid using the data back under such conditions.

Removing the batteries from the data back will cause the clock to stop running. Thus, when new batteries have been installed, always be sure to recheck the calendar and time display and reset them to the correct readings.

Zeitpunkt der Batterieerneuerung

Die Contax-Datenrückwand Quartz D-4 führt eine automatische Batteriekontrolle selbst durch. Bei normaler Batterieabgabe bleiben die angezeigten Daten ständig an. Wenn jedoch die Stromabgabe unter den Nennpegel abfällt, fangen alle angezeigten Daten zur Bestätigung an zu pulsieren. Wenn dies eintritt, sind die Batterien zu erneuern.

Wenn die angezeigten Daten zu pulsieren beginnen, läuft das Uhrsystem der Datenrückwand zwar normal weiter. Die eigentlichen Daten aber werden möglicherweise nur blaß oder gar nicht aufgezeichnet, so daß es ratsam ist, die Datenrückwand unter solchen Bedingungen nicht zu benutzen.

Das Herausnehmen der Batterien aus der Datenrückwand verursacht den Stillstand der Uhr. Wenn daher neue Batterien eingesetzt worden sind, ist die Datums- und Uhrzeitanzeige zu überprüfen und zu korrigieren.

<Battery precautions>

- Normally silver oxide batteries are good for about two years, and alkaline batteries for about one year, subject to such varying factors as usage, battery condition and prevailing temperatures. Since the data back features a built-in clock system, it is highly recommended that extra long-life silver oxide batteries be used as your power source.
- Since battery performance is adversely affected in sub-zero temperatures, the data back unit may not function normally under such frigid conditions. Thus, when shooting in freezing temperatures, it is recommended that measures be taken to protect the data back from the cold or an extra set of batteries be held in reserve. However, batteries that have been thus affected will recover on their own upon being restored to normal surrounding temperatures.
- When installing batteries, wipe both ends clean. Oily smears on the battery contacts could cause poor electrical contact.
- Do not discard used batteries into a fire as this can cause an explosion.

<Batterie-Vorsichtsmaßnahmen>

- Normalerweise halten Silberoxidbatterien etwa zwei Jahre, und Alkalibatterien ungefähr ein Jahr, was von solchen Faktoren wie Benutzungshäufigkeit, Batteriezustand und Umgebungstemperaturen usw. abhängig ist. Da die Datenrückwand eine eingebaute Uhr besitzt, ist die Verwendung von Silberoxidbatterien mit besonders langer Lebensdauer zu empfehlen.
- Da die Batterieleistung bei Temperaturen unter Null stark beeinträchtigt wird, kann es vorkommen, daß die Datenrückwand unter solch frostigen Bedingungen nicht normal arbeitet. Wenn daher bei Frosttemperaturen fotografiert wird, ist es zu empfehlen, die Datenrückwand vor Kälte zu schützen oder einen zusätzlichen Satz Batterien in Reserve zu halten. Dermaßen angegriffene Batterien erholen sich jedoch wieder, wenn sie auf normale Umgebungstemperatur gebracht werden.
- Vor dem Einlegen der Batterien beide Batterienenden abwischen. Fettflecken auf den Batteriekontakten können die Ursache für einen schlechten elektrischen Kontakt sein.
- Verbrauchte Batterien nicht ins Feuer werfen, weil sie explodieren können.

Operating Precautions

- The imprinted data is recorded in lower right hand corner of the print, in orange color for color film and in white for black and white film. Thus, beware of getting faint contrasting data when imprinting against highlighted area of subject or a background of a blending color.
- If the sensor on the data back is directed toward a bright area when the camera back is opened for film changing or other purposes, it will have the same effect as when a signal is received by it and cause the imprint confirmation mark to be displayed. It will also cause the number in the "COUNT" mode to advance to the next number.
- There may be times when the data will imprint in a lighter or darker shade depending upon the type of film being used or upon the brightness of the subject (either a bright or dark setting). In this instance, adjust the exposure level by resetting the "ASA" button.
- When the film is to be intensified or de-intensified during processing, it is recommended that the extent to which the shading of the imprinted data will be affected by such action be confirmed beforehand by means of a preliminary test shot.

Vorsichtsmaßnahmen bei der Bedienung

- Die Daten werden auf die untere rechte Ecke des Bildes aufgezeichnet und zwar in Orange für Farbfilm und in Weiß für Schwarz-Weiß-Film. Achten Sie deshalb darauf, daß die Daten nicht zu blaß werden, wenn sie gegen eine hellerleuchtete Stelle des Motivs oder gegen einen gleichfarbigen Hintergrund aufgezeichnet werden.
- Falls der Sensor der Datenrückwand auf eine helle Stelle gerichtet wird, wenn die Kamerarückwand zum Wechseln des Films oder aus einem anderen Grund geöffnet wird, so hat dies denselben Effekt, als ob er ein Signal empfängt, und veranlaßt die Anzeige der Aufzeichnungs-Bestätigungsmarke. Außerdem wird die Zahl im Zähbetrieb "COUNT" um eins weitergerückt.
- Es kann vorkommen, daß die Daten heller oder dunkler aufgezeichnet werden, was von der verwendeten Filmart oder der Helligkeit des Motivs abhängt (entweder eine helle oder dunkle Einstellung). In solchen Fällen ist das Belichtungsmaß durch Nachstellen des "ASA"-Knopfes zu korrigieren.
- Wenn der Film forciert oder zurückhaltend entwickelt werden soll, ist es zu empfehlen, das Ausmaß, in welchem die Helligkeit der aufgezeichneten Daten durch solche Maßnahmen beeinflußt wird, zuvor anhand einer Probeaufnahme festzustellen.

① It should be noted that the liquid crystal display may become difficult to read when used under the following circumstances or temperature conditions. However, the display will function satisfactorily again when the surrounding temperatures return to normal.

- Exposure to high temperatures at the beach or in a car parked in the sun during the hot summer months will cause the entire display surface to turn black, making it difficult to read.
- Exposure to sub-zero temperature conditions or areas for an extended period of time will cause the display to respond slower as the temperature drops, resulting in a faint, hard-to-distinguish reading overall.

② The liquid crystal display generally has a useful life of about 5 or 6 years when used under normal conditions. After that, the display will become difficult to read because of poor contrast. When this occurs, please take the data back to the camera shop where it was purchased or to the nearest Yashica Service Center.

① Es ist zu beachten, daß die Flüssigkristallanzeige schlecht ablesbar werden kann, wenn sie unter folgenden Umständen oder Temperaturbedingungen benutzt wird. Die Anzeige arbeitet jedoch wieder einwandfrei, wenn die normale Umgebungstemperatur wiederhergestellt ist.

- Die Einwirkung hoher Temperaturen am Strand oder in einem während der heißen Sommermonate in praller Sonne geparkten Auto verursacht eine Schwärzung der gesamten Anzeigenoberfläche, was ein Ablesen erschwert.
- Wird die Datenrückwand über längere Zeit Temperaturen unter Null ausgesetzt, so hat dies ein langsames Ansprechen der Anzeige mit zunehmendem Temperaturabfall zur Folge, was zu einer allgemein blassen, schwer erkennbaren Anzeige führt.

② Die Flüssigkristallanzeige hat allgemein eine nutzbare Lebensdauer von etwa 5 bis 6 Jahren, wenn sie unter normalen Bedingungen benutzt wird. Danach wird die Anzeige wegen schlechten Kontrastes schwer ablesbar. Wenn dies eintritt, bringen Sie die Datenrückwand zu Ihrem Kamerahändler oder zum nächsten Yashica-Kundendienst.

Specifications

Type: Quartz-controlled, liquid crystal display type data recording device.

Compatible With: Contax RTS II Quartz and Contax RTS.

Camera Coupling: Cordless coupling via data back LED sensor incorporated in the camera.

Data Display Unit: Six-digit display consisting of seven segment liquid crystal numerals.

Data Imprinting: Superimposed type (automatically projected onto reverse side of film by means of illumination from liquid crystal lamp). With the Contax RTS, imprinting is done manually by means of manual imprinting button.

Imprinting Position: Lower right hand corner of film frame.

Data Imprint Confirmation: Display of imprint confirmation mark.

Imprinting Modes: "YMD", "DTM", "COUNT" (Imprinting count from 000 to 399), and "INDEX" (six-digit numbers ranging from 000000 to 999999).

Mode Selection: Pushbutton type.

Film Speed Setting: Two-way selection (exposure level switching) by means of pushbutton control.

Quartz Clock System: Basic clock functions consisting of "YMD", "DTM" and calendar modes. Calendar function ... with calendar good till year 1999, with self-adjusting feature for leap year, and months with different days including 30 and 31 days. Clock function ... 24-hour basis display, with variation within ± 15 seconds per month (at normal temperatures).

Continuous sequence shooting: Winder and motor drive coupling capabilities.

Power Source: Two 1.55 V silver oxide batteries (SR44) or 1.5 V alkaline batteries (LR44).

Battery Check: Built-in automatic battery checking circuit that warns of low battery condition by causing display data to pulsate.

Dimensions: 142 (W) x 55 (H) x 23.5 (D) mm.

Weight: 100 grams without batteries.

** Specifications and exterior design subject to change without notice.*