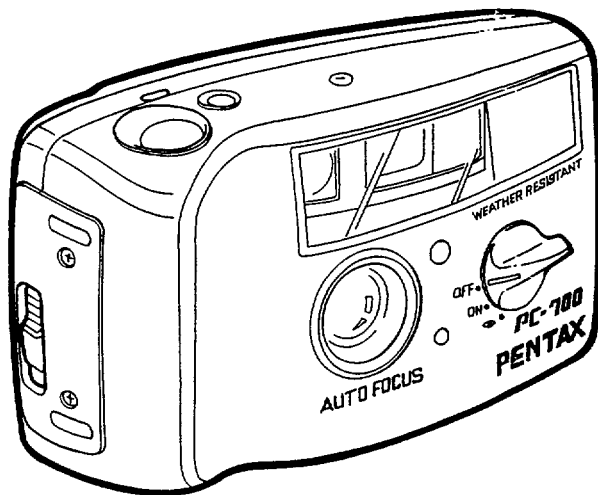
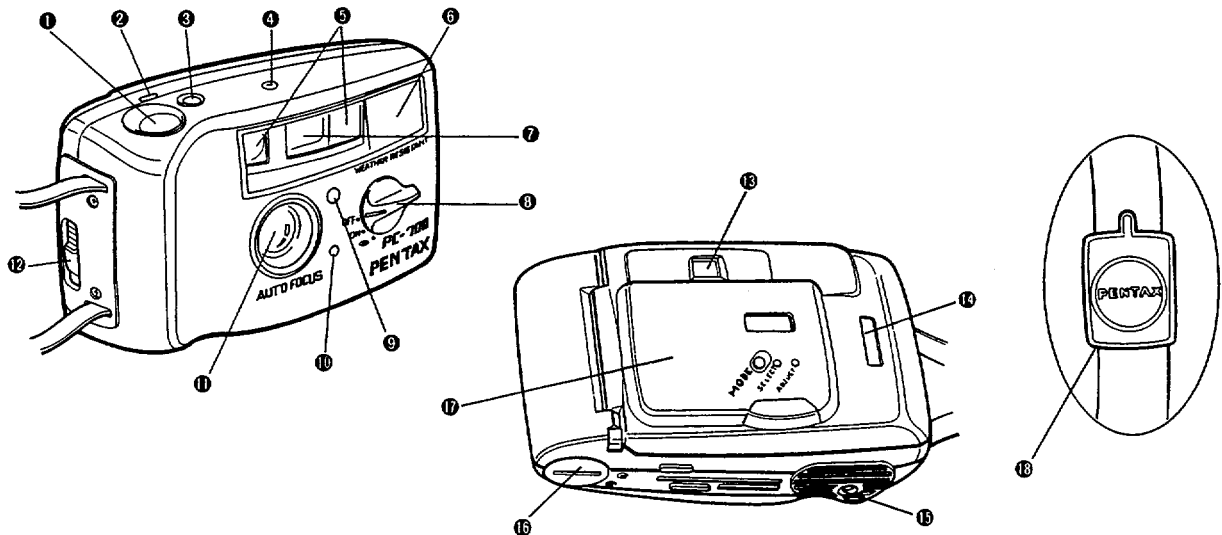


PENTAX

PC-700
PC-700DATE



Operating manual
Bedienungsanleitung
Mode d'emploi
Manual de instrucciones
Manuale d'istruzioni
用戶備用手冊



NAMES OF PARTS	BEZEICHNUNGEN DER TEILE	DESCRIPTIF TECHNIQUE
<ul style="list-style-type: none"> ① Shutter Release Button ② Auxiliary Rewind Button ③ Self-timer Button ④ Film Counter ⑤ Autofocus Window ⑥ Built-in Flash ⑦ Viewfinder Window ⑧ Power Switch ⑨ Self-timer/Red-eye Reduction Lamp ⑩ Light Sensor Window ⑪ Lens ⑫ Back Cover Release Lever ⑬ Viewfinder Eyepiece ⑭ Film Information Window ⑮ Tripod Socket ⑯ Battery Chamber Cover ⑰ Back Cover ⑱ Adjuster 	<ul style="list-style-type: none"> ① Auslöser ② Filmrückspulknopf ③ Selbstauslösertaste ④ Bildzählwerk ⑤ Autofocus-Fenster ⑥ Eingebauter Blitz ⑦ Sucherfenster ⑧ Ein/Aus-Schalter ⑨ Selbstauslöser/Vorblitz-Lampe ⑩ Meßzelle ⑪ Objektiv ⑫ Rückwandentriegelung ⑬ Sucherokular ⑭ Filminformationsfenster ⑮ Stativgewinde ⑯ Batteriefachdeckel ⑰ Rückwand ⑱ Einstellstift 	<ul style="list-style-type: none"> ① Déclencheur ② Bouton de reboinage auxiliaire ③ Bouton du retardateur ④ Compteur de vue ⑤ Fenêtre autofocus ⑥ Flash incorporé ⑦ Fenêtre du viseur ⑧ Interrupteur d'alimentation ⑨ Retardateur/éclair de réduction ⑩ Cellule ⑪ Objectif ⑫ Levier d'ouverture du dos ⑬ Oculaire de visée ⑭ Fenêtre d'information sur la pellicule ⑮ Ecrou de pied ⑯ Couvercle du logement de pile ⑰ Dos ⑱ Ajusteur
NOMENCLATURA	DESCRIZIONE DELLE PARTI	各部機件名稱
<ul style="list-style-type: none"> ① Disparador ② Botón de rebobinado auxiliar ③ Botón del autodesparador ④ Contador de la película ⑤ Ventana del enfoque automático ⑥ Flash incorporado ⑦ Ventanilla del visor ⑧ Interruptor de alimentación ⑨ Temporizador / Piloto de Reducción del efecto "ojos rojos" ⑩ Ventanilla del fotosensor ⑪ Objetivo ⑫ Palanca de apertura de la tapa posterior ⑬ Ocular del visor ⑭ Ventanilla de información de la película ⑮ Rosca para trípode ⑯ Tapa del compartimento de la pila ⑰ Tapa posterior ⑱ Ajustador 	<ul style="list-style-type: none"> ① Pulsante di scatto ② Pulsante di riavvolgimento ausiliario ③ Pulsante di autoscatto ④ Contafotogrammi ⑤ Finestrella autofocus ⑥ Flash incorporato ⑦ Finestrella del mirino ⑧ Interruttore di alimentazione ⑨ Spia autoscatto / funzione di riduzione dell'effetto "occhi rossi" ⑩ Sensore luce ⑪ Obiettivo ⑫ Levetta di apertura dorso ⑬ Oculare del mirino ⑭ Finestrella di informazioni pellicola ⑮ Attacco per treppiede ⑯ Coperchio del vano pila ⑰ Dorso ⑱ Regolatore 	<ul style="list-style-type: none"> ① 快門釋放掣 ② 輔助回捲掣 ③ 自拍按鈕 ④ 膠卷計數表 ⑤ 自動對焦窗 ⑥ 內置閃燈 ⑦ 觀景器 ⑧ 電源開關 ⑨ 自拍 / 消滅 "紅眼" 燈 ⑩ 光度感應窗 ⑪ 鏡頭 ⑫ 機背開桿 ⑬ 觀景接目器 ⑭ 膠卷資料顯示窗 ⑮ 腳架插孔 ⑯ 電池蓋 ⑰ 相機背 ⑱ 調節器

WEATHER RESISTANT

This camera is weather resistant and can be used without having to worry about rain and water splashes. However, it is not designed for underwater photography and should not be rinsed in water or placed in water. Please read through the instruction manual to learn how to handle the camera correctly.

○ : allowable × : not allowable

Test of Protective Class 4

Install the equipment as it would normally be used. Place a watering can 300 mm to 500 mm above the instrument and pour water from vertical to 180 degrees. The water should be poured with a force of 10l/min and cover a square meter area of the outer surface of the equipment per minute. The test should be carried out for at least 5 minutes.

Power Switch

The power is turned on by setting the power switch to position [ON] and is turned off by setting it to position [OFF]. Turn off the camera when it is not used to save power. (See figure [1].)

Red-Eye Reduction Flash Function

To reduce the red-eye phenomenon in the picture, set the power switch to the (Ⓞ) position. With this mode, the red-eye reduction lamp illuminates the subject just before the shutter is released.

Red-eye phenomenon in flash photography

When a picture is taken using a flash, a subject's eyes may appear red in the print. This phenomenon is caused by the reflection of the electronic flash in the retina. It can be reduced when the surroundings of the subject are brightened, or shooting distance is shortened with the lens set at the wide-angle position or by employing the red-eye reduction flash feature.

Film Loading

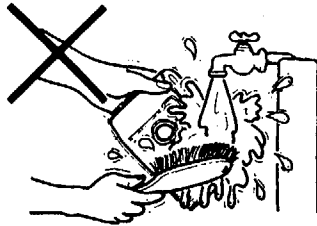
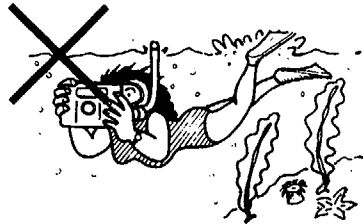
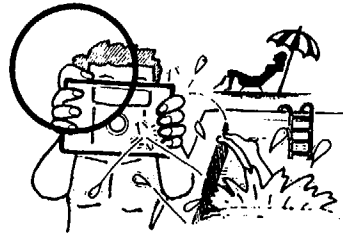
DX-coded film with ISO ratings from 100 to 400 can be used. Camera film speed is automatically set when the film is inserted.

- Camera film speed is set to ISO 400 when ISO 400 or faster films are inserted and set to ISO 100 when films slower than ISO 400 are inserted.

Do not expose the film to direct sunlight when it is inserted. Do not open the back cover when there is water or sand on the camera or your hands. The camera will be damaged if water or sand enters it. Clean the camera before opening the back cover to load the film.

1. Press down the back cover release lever to open the back cover. (See figure [2].)
2. The film can easily be loaded by fully inserting the lower end of the film cartridge first and then inserting the top end. (See figure [3].)

This camera is tightly sealed for weather-resistant protection. When the camera is brought from a place where the atmospheric pressure is relatively low such as in an airplane or a high mountain to a place where the atmospheric pressure is normal, the pressure inside the camera falls, making the back cover difficult to open. In such a case, first open the battery chamber cover, and then the back cover.



- Align the film leader with the film load mark. (See figure 4.)
 - Insert the film between the guide rails and remove any slack.
- Make sure that there is no dirt on the seal before closing the back cover. Make sure that the two tabs in the back cover firmly lock in place when the cover is closed. The camera will not be weather resistant if the cover is imperfectly closed and it may also let in light. (See figure 5.)
- Turn on the power and press the shutter button once to automatically load the film and "1" is displayed in the film counter. If "1" is not displayed, the film has not been loaded properly. Load it again. (See figure 6.)

Photography

Keep a distance of at least 1.2 m between the subject and the camera. When taking pictures outdoors, keep the sun behind you to take good pictures.

Caution: Make sure not to put your fingers or hair in front of the autofocus finder, lens, light sensor window and built-in flash.

Water drops or dirt on the lens protective glass, autofocus window and light sensor window will make it impossible to take good pictures. Clean them before picture taking.

- Turn on the power, place the subject in the autofocus frame [] and compose the picture. (See figure 7.)
 - The lens cannot be focused at distances less than 1.2m.
- Depress the shutter release button halfway and the green lamp in the finder lights up. The picture can now be taken. If the green lamp blinks, this indicates that the built-in flash is being charged or that battery power is too low. In this case, release the button and wait a few seconds before pressing it again. The picture can be taken if the green lamp in the finder lights up. (See figure 8.)
 - When the green lamp is blinking, the flash is not charged. Release the shutter release button and wait a few seconds for the flash to be charged.
 - If the green lamp is still blinking after waiting 10 seconds or more, the batteries should be replaced.

Flash Photography

- The built-in flash in this camera is automatically activated when available light is not sufficient for proper exposure.
- The table on the right shows the distance ranges that will produce good pictures.

ISO	Flash-effective ranges
100	1.2~3.1m(3.9~10.2ft.)
200	1.2~4.4m(3.9~14.4ft.)
400	1.6~6.3m(5.2~20.7ft.)

Focus Lock Photography

Focusing is performed in the autofocus frame []. When the subject is not in the autofocus frame, use the focus lock to take the picture.

Focus Lock Operation

Place the subject in the autofocus frame [] and press the shutter release button halfway to focus. The subject will stay in focus as long as the shutter release button is kept at the halfway position and the green lamp is lit. Now recompose the picture and press the shutter release button fully down to take the picture. (See figure 9.)

- The focus lock is released and the green lamp goes off when the shutter release button is released.
- If you change the distance between the camera and the subject, release the focus lock and refocus.
- The focus lock cannot be used if the green lamp blinks when the shutter release button is pressed halfway (see Flash Photography Section 2 for details).

Self-Timer Photography

This function allows the photographer to include himself in the picture.

As illustrated, when the self-timer button is pressed, the self-timer lamp lights up and the timer starts as soon as the button is pressed. The picture is taken 10 seconds after the button is pressed. (The lamp starts blinking during the final three seconds.) (See figure 10.)

- If you want to cancel the self-timer after pressing the button, press the button once again or turn off the power.
- The self-timer does not operate in dark places when the flash is not charged. Check that the green lamp lights up before using the self-timer.
- The focus locks when the self-timer button is pressed. First place the subject in the autofocus frame [] and press the self-timer button to lock focus. Now recompose the picture.
- Use of a tripod is recommended for self-timer photography.

Film Rewinding

The film is automatically rewound when the last picture is taken.

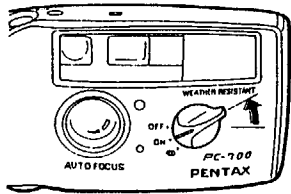
The film counter reverses and the motor stops automatically when the film is completely rewound. Make sure that the film counter indicates "S" before opening the back cover and removing the film. (See figure 11.)

Caution: Do not open the back cover when there is water or sand on the camera or your hands. The camera will be damaged if water or sand enters it. Clean the camera before opening the back cover to remove the film. (See figure 12.)

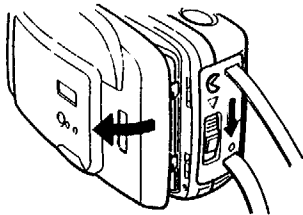
Rewinding Film in Midroll

Turn on the power and press the Auxiliary Rewind Button with the adjuster pin on the strap to rewind the film in mid roll. The motor stops automatically when the film is completely rewound. Make sure that the film counter indicates "S" before opening the back cover and removing the film. (See figure 13.)

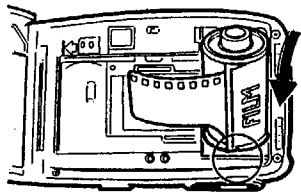
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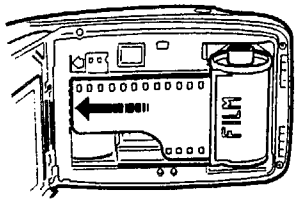
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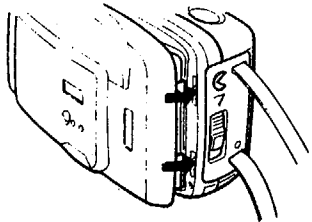
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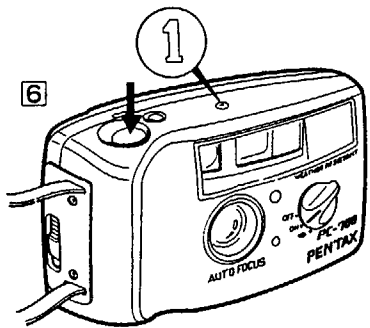
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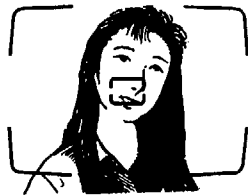
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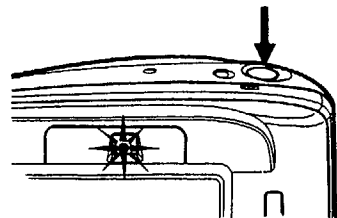
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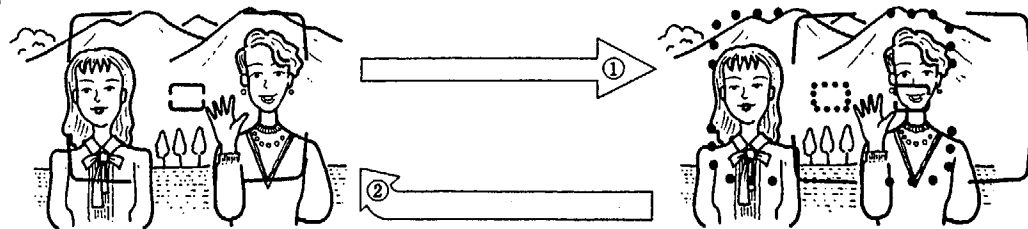
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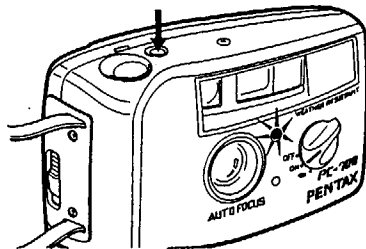
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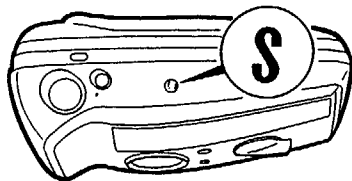
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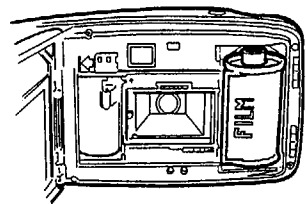
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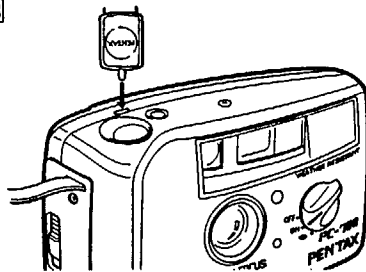
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12





13



Battery Replacement

If there is sand or water on the camera or your hands, clean before replacing the batteries.

1. Place a coin or the like in the groove of the battery chamber cover at the base of the camera. Turn the coin in the direction of the arrow to the [] mark to open the cover. (See figure [14].)
2. Place a lithium battery (CR123A) with the minus (-) pole in first. Align the battery chamber cover with the [] mark and press it in while turning counterclockwise. (See figure [15].)

Caution: When the electrode and ring inside the cover are wet or dirty, wipe them clean with a soft and dry cloth.

- * Up to 15 rolls of 24-exposure film can be taken with a new lithium battery assuming that the flash is used for about 50% of the pictures. (According to Pentax testing conditions)

Battery Check

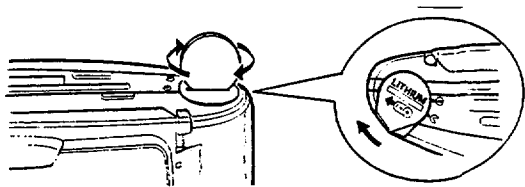
When the battery is properly inserted and the shutter button is pressed halfway, the green lamp at the center bottom of the finder lights up or blinks. (See figure [16].)

- * The camera does not operate when the battery has been used up or has been improperly inserted.
- * As the battery depletes, flash recharging and film winding/rewinding will take longer. Replace the battery as soon as you notice this.
- * Batteries must be handled with care. Incorrect use of batteries can cause overheating or even explosions.
- * Battery performance is poor at low temperatures but returns to normal at ordinary temperatures.
- * Do not short-circuit, disassemble, recharge or throw used batteries into fire as they may explode.

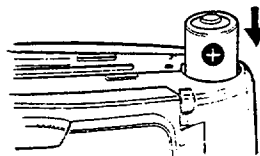
Handling Precautions

1. This is not an underwater camera and it may not be possible to repair it if it is immersed in water. Contact authorized service facility.
2. Sand or mud entering the camera may damage the camera. Do not place it directly on a sandy beach. It is not designed for professional or other taxing uses.
3. The camera is damaged if dirt, mud, sand, dust or water enters the camera when the film or battery is replaced. Note that repairs of such damages are changeable even during the warranty period.
4. Remove any dirt or sand from the weather-resistant seals. A damaged packing will not keep the camera weather-resistant. Have your agent replace such a seal as soon as possible.
5. After use wipe off any dirt or water on the camera with a soft, dry cloth. If dirt is persistent, use a moistened cloth to wipe it off and then swab the water with a dry cloth.
6. Do not use paint thinner, benzene or other solvents for cleaning the camera.
7. Do not store or leave the camera for a long time in places where the temperature is high.
8. Moisture condensation will form in the camera when it is brought into a warm room after shooting in cold weather. Put the camera in the camera bag or a vinyl bag before bringing it in to lower the temperature change. Take out the camera when the temperature change is less drastic.
9. A camera is a precision instrument. Do not drop it or bang it against objects. Have it inspected when it is exposed to strong shock or pressure.
10. The camera operates normally within a temperature range of 40° C to -5° C.
11. The camera contains high voltage circuits. To prevent electric shock and other hazards, do not disassemble the camera.
12. The camera should be returned in for service every year or every other year to keep it in proper working order. It is also a good idea to have it inspected when it has not been used for a long time or before taking important photographs.

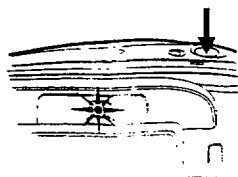
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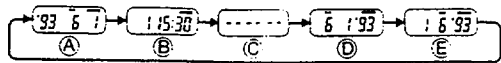
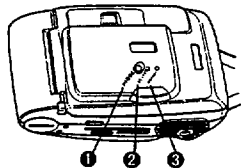
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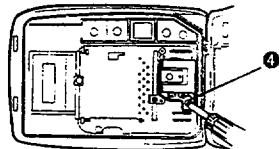
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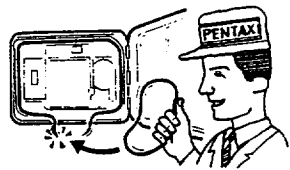
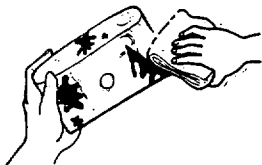
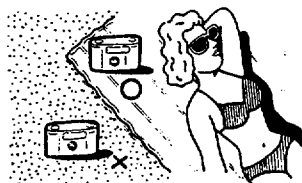
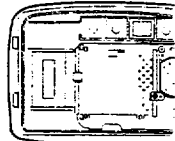
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18



19



DATABACK OPERATION

NOTE: THIS IS APPLICABLE TO THE PC - 700 DATE MODEL ONLY.

① Mode button ② Select button ③ Adjust button ④ Battery cover fixing screw

Changing the Mode

Each time you press the Mode button ①, the mode in the LCD panel changes in succession from ① "Year-Month-Day" to ② "Day-Hour-Minute" to ③ "_____" to ④ "Month-Day-Year" to ⑤ "Day-Month-Year". Stop pressing the button when the desired mode appears. "_____" indicates that no data will be imprinted on the picture.

NOTE: "M" in the LCD panel indicates "Month". Use the adjuster pin on the strap to press the buttons.

Correcting the Data

1. Press the "Select" button ② until you reach the flickering digit which you wish to change.
2. Press the "Adjust" button ③ to change the digit of specified category you chose with the "Select" button ②. Digits increase by one each time you press the "Adjust" button ③. If you keep it depressed, the digit will advance continuously after two or three seconds.
3. Adjusting the second: Press the "Select" button ② until ":" will flicker. And press the "Adjust" button ③ in sync with a time signal to set the second to zero.
4. After the correction, press the "Select" button ② to make the data imprinting possible (the bar mark (-) appears on the LCD panel).

Battery

The databack is powered by one CR2025 3V Lithium battery. When the displays in the LCD cannot be seen clearly or when the watch function becomes unstable, replace the Battery with a new one by loosening Battery cover fixing screw ④. When the battery is set correctly, Data will be displayed. Reset the data according to "Correcting the Data".

SPECIFICATIONS

Type:	35 mm fully automatic lens-shutter camera
Weather-resistant Construction:	Weather-resistant with JIS protection Class 4 splashproof construction (not adversely affected by water splashes from any direction).
Film:	35 mm DX-coded film with ISO rating from 100 to 400; J135 cartridge. The camera film speed is automatically set to ISO 100 when non-DX film is used.
Picture format:	24 mm x 36 mm
Film loading:	Auto film loading. Closing the back cover and pressing the shutter release button will automatically wind film to first exposure.
Film movement:	Auto winding; auto rewinding starts at end of roll. (Rewind speed: approximately 22 sec for 24-exposure film.) Film can also be rewound in mid roll.
Frame number:	Automatic readout of successive frame numbers in ascending order when shooting and descending order when rewinding.
Lens:	Pentax 35 mm, f/4.5, 3 elements in 3 groups
Focusing system:	Infrared active autofocus with focus-lock. Range : approx. 1.2 m (3.9 feet) to infinity
Shutter:	Programmed AE electronic shutter.
Self-timer:	Electronic red lamp indication. Approx. 10-sec delay. Cancellation after activation is possible.
Viewfinder:	Albada type bright frame finder
Exposure:	Programmed auto-exposure Range: EV 10 - 15 (ISO 100)
Flash:	Built-in flash with automatic low-luminance firing.
Charging time:	Approx. 6 sec according to Pentax testing conditions.
Power source:	3 V lithium battery (CR123A or the equivalent)
Size and weight:	125(W) x 71.5(H) x 51(D) mm ; approx. 205 g
Date recording system:	Information is recorded on the reverse side of the film.
Date imprinting modes:	Push button to set unit to any of five modes; "Year/Mon/Day", "Day/Hour/Min/", "-- --" (Blank), "Mon/Day/Year" or "Day/Mon/Year".
Date imprinting power source:	3 V lithium battery (one CR2025 battery)
Size and weight:	125(W) x 71.5(H) x 55(D) mm ; approx. 215 g

Reversal film (slide film) may not be properly exposed. Use of negative color film (print film) is recommended.

WARRANTY POLICY

All Pentax cameras purchased through authorized bona fide photographic distribution channels are guaranteed against defects of material or workmanship for a period of twelve months from date of purchase. Service will be rendered and defective parts will be replaced without cost to you within that period, provided the equipment does not show evidence of impact, sand or liquid damage, mishandling, tampering, battery or chemical corrosion, operation contrary to operating instructions, or modification by an unauthorized repair shop. The manufacturer or its authorized representatives shall not be liable for any repairs or alterations except those made with its written consent and shall not be liable for damages from delay or loss of use or for other indirect or consequential damages of any kind, whether caused by defective material or workmanship or otherwise; and it is expressly agreed that the liability of the manufacturer or its representatives under all guarantees or warranties, whether express or implied, is strictly limited to the replacement of parts as hereinbefore provided. No refunds will be made on repairs performed by nonauthorized Pentax service facilities.

Procedure during 12-month Warranty Period

Any Pentax equipment which proves defective during the 12-month warranty period should be returned to the dealer from whom you purchased the equipment or to the manufacturer. If there is no representative of the manufacturer in your country, send the equipment to the manufacturer, with postage prepaid. In this case, it will take a considerable length of time before the equipment can be returned to you owing to the complicated customs procedures required. If the equipment is covered by warranty, repairs will be made and parts replaced free of charge, and the equipment will be returned to you upon completion of servicing. If the equipment is not covered by warranty, regular charges of the manufacturer or of its representatives will apply. If your Pentax equipment was purchased outside of the country where you wish to have it serviced during the warranty period, regular handling and servicing fees may be charged by the manufacturer's representatives in that country. Notwithstanding this, Pentax equipment returned to the manufacturer will be serviced free of charge according to this procedure and warranty policy. In any case, however, shipping charges and customs clearance fees are to be borne by the sender. To prove the date of your purchase when required, please keep the receipts or bills covering the purchase of your equipment for at least a year. Before sending your equipment for servicing, please make sure that you are sending it to the manufacturer's authorized representatives or their accredited repair shops, unless you are sending it directly to the manufacturer. Always obtain a quotation of the service charge, and only after you accept the quoted service charge, instruct the service station to proceed with the servicing.

This warranty does not apply to Pentax products purchased in the U.S.A., U.K. or Canada. The local warranty policies available from Pentax distributors in those countries supersede this warranty policy.



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