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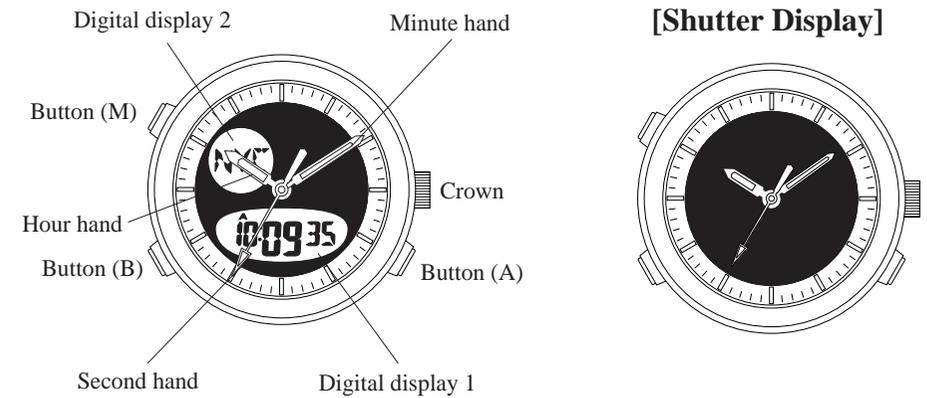
1. *Features*

This watch is a combination quartz watch equipped with a shutter function that allows the digital display to be recalled and used only when necessary, and a function that makes it possible to easily call up the time and date of 30 cities around the world as well as UTC (Universal Time Coordinated) time and date simply by pressing the watch buttons.
It is also equipped with an EL illumination function that enables the display to be viewed in the dark.
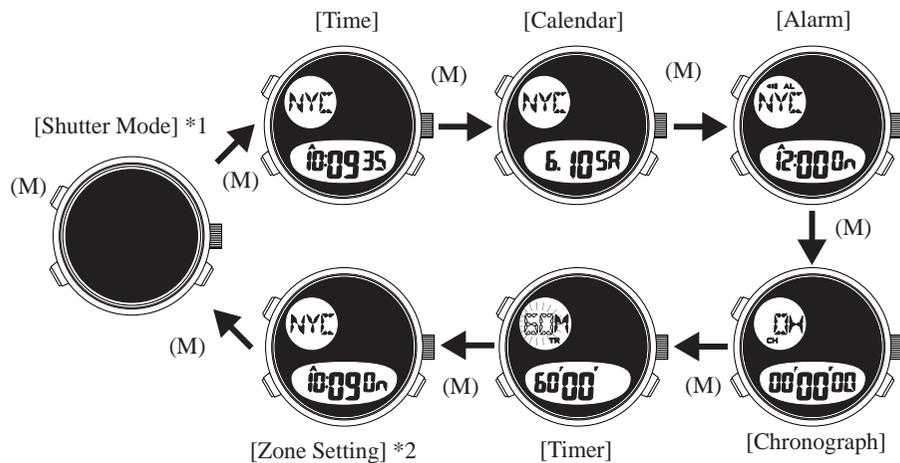
2. *Names of Components*

Digital display 2

Minute hand

[Shutter Display]

Button (M)

Crown

Hour hand

Button (B)

Button (A)

Second hand

Digital display 1

The design may vary depending on the model.

3. *Switching Digital Functions (Modes)* ▬

This watch is equipped with the functions (modes) shown below. Each time button (M) is pressed, the mode changes in the order shown below.

[Time] (M) [Calendar] (M) [Alarm]

[Shutter Mode] *1

(M) (M)

NYC 10:09 35 → NYC 6. 10 5A → NYC 12:00n

(M)

[Zone Setting] *2 (M) [Timer] (M) [Chronograph]

NYC 10:09n ← 60M TR 60'00' ← CH 00'00'00

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*1: The digital display is completely concealed in the shutter mode.
*2: In the zone setting mode, the watch can be used to set the display and non-display status as well as the use of daylight savings time for each of the 30 cities and UTC (Universal Time Coordinated) displayed by the watch.

* When none of the buttons are operated for about 2 minutes in the time, calendar, alarm or zone setting mode, the watch returns to the shutter mode.
* When none of the buttons are operated for about 10 minutes in the chronograph or timer mode (excluding when timing is in progress), the watch returns to the shutter mode.

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4. *EL Illumination* ═══════

* The EL light is illuminated when button (A) is pressed (for as long as it is pressed) in the time, calendar or zone setting mode.
* When button (A) is pressed in the shutter mode (for as long as it is pressed), the EL light is illuminated and the watch displays the time mode.
* The EL light is illuminated automatically when the split time or stop operation is performed during chronograph measurement.

5. *Accessing Times and Dates of Major Cities* ══

The time or date of major cities pre-registered in this watch as well as UTC time or date can be easily called up by pressing the buttons.

City name

(M)

(B)   (A)

Time corresponding to
the city name
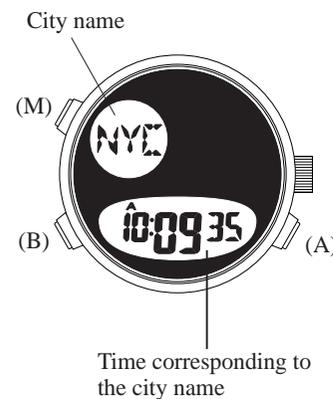
<Access Procedure>
(1)Press button (M) to switch to the time or calendar mode.
(2)Each time button (B) is pressed, the time or date of the next city is displayed in the order shown in the table on the next page (direction in which the time difference increases or decreases).
When button (A) is pressed simultaneous to pressing button (B), the order in which the cities are recalled (direction in which the time difference increases or decreases) changes.

<Time Differences Between Cities Displayed by this Watch and UTC (Universal Time Coordinated)>

No.	Watch display	City name	Time difference	Daylight savings time
1	UTC	Universal Time Coordinated	±0	—
2	LON	London	±0	◯
3	PAR	Paris	+1	◯
4	ROM	Rome	+1	◯
5	CAI	Cairo	+2	◯
6	IST	Istanbul	+2	◯
7	MOW	Moscow	+3	◯
8	KWI	Kuwait	+3	✕
9	DXB	Dubai	+4	✕
10	KHI	Karachi	+5	✕
11	DEL	New Delhi	+5.5	✕
12	DAC	Dacca	+6	✕
13	BKK	Bangkok	+7	✕
14	SIN	Singapore	+8	✕
15	HKG	Hong Kong	+8	✕
16	PEK	Beijing	+8	✕

No.	Watch display	City name	Time difference	Daylight savings time
17	TYO	Tokyo	+9	✕
18	SYD	Sydney	+10	◯
19	NOU	Noumea	+11	✕
20	AKL	Auckland	+12	◯
21	HNL	Honolulu	−10	✕
22	ANC	Anchorage	−9	◯
23	LAX	Los Angeles	−8	◯
24	DEN	Denver	−7	◯
25	CHI	Chicago	−6	◯
26	MEX	Mexico City	−6	✕
27	NYC	New York	−5	◯
28	YUL	Montreal	−5	◯
29	CCS	Caracas	−4	✕
30	RIO	Rio de Janeiro	−3	◯
31	BUE	Buenos Aires	−3	✕

* Cities for which non-display (OF) has been selected in the zone setting mode are not displayed.
* Cities (regions) in which daylight savings time is used are indicated with a ◯, while those in which it is not are indicated with an ✕.
* Countries or regions may change time zones for various reasons (the information in the table is valid as of 1999).

6. *Setting Analog Time*

Second hand

Normal position

Crown

Time correction position
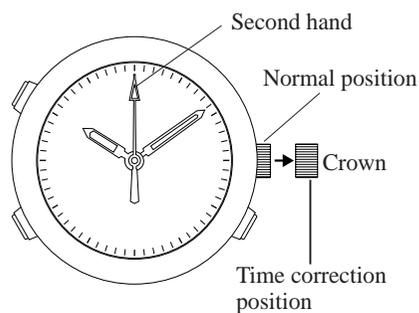
(1) The second hand stops when the crown is pulled out.
(2) Turn the crown to set the watch to the correct time.
(3) After setting the time, securely push the crown in to the normal position. The second hand starts to move when the crown is pushed in.

<Hint for Setting the Time Accurately>

If the second hand is stopped at the 0 seconds position, the minute is advanced 4-5 minutes past the correct time and then turned back to the correct time, and the crown is pushed in when the digital time is at 0 seconds, the watch can be accurately set to the correct time.

7. *Setting Digital Time*

When the time is set for any of the 30 cities or UTC, the times of other cities are automatically corrected by converting the time difference.

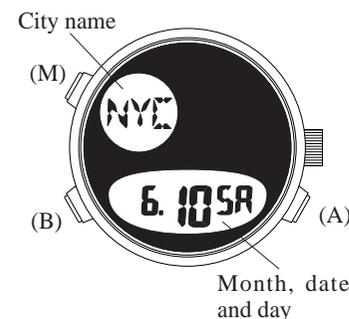**[Normal Time Display]**

City name

(M)

(B)

NYC

10:09 35

(A)
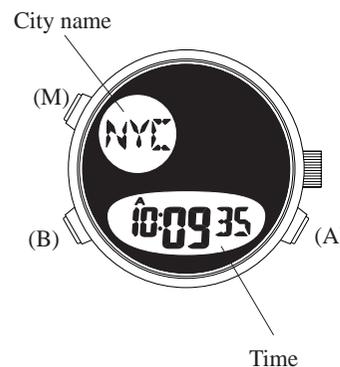
Time

(1) Press button (M) to switch the watch to the time mode.
(2) Press button (B) to display the city for which the time is to be corrected.
(3) Pressing button (B) continuously for about 2 seconds causes "SUM (abbreviation for daylight savings time) "and "On or OF" to flash.
(4) Press button (A) to switch the selection for daylight savings time to "On" or "OF(OFF)" for that city.
(5) Each time button (B) is pressed, the location that flashes changes in the order of seconds to minutes to hours and finally to 12/24 hour display. Press button (B) until the location desired to be corrected flashes.

(6) Press button (A) to correct the location that is flashing.

  * When button (A) is pressed in the seconds correction state, the seconds is corrected to 00. (The minutes advance by one minute when the seconds are between 30 and 59 seconds.)
  * When switching between 12 and 24-hour display, the display switches between 12 and 24 hours each time button (A) is pressed.
  * Each time button (A) is pressed in the hours or minutes correction state, the display advances by 1. Pressing button (A) continuously causes the display to advance rapidly.

(7) Press button (M) to return to the normal display.

  * When using the 12-hour display, pay attention to AM(A) and PM(P) when setting the time.
  * When none of the buttons are operated for about 2 minutes in the time correction state (flashing display), the watch automatically returns to the normal time display.
  * Pressing button (M) in the time correction state immediately re-turns the watch to the normal time display.

8. *Setting the Date*

[Normal Date Display]

City name

(M)

(B)   (A)

Month, date
and day

When the date is set for any of the 30 cities or UTC, the dates of other cities are automatically corrected by converting the time difference.

(1) Press button (M) to switch the watch to the calendar mode.
(2) Press button (B) to display the city for which the date is to be corrected.
(3) Pressing button (B) continuously for about 2 seconds causes the "month" to flash so that it can be corrected. The location on the display that is flashing can be corrected.
(4) Each time button (B) is pressed in the correction state, the location that flashes changes in the order of month to date and finally to the year. Press button (B) until the location desired to be corrected flashes.
(5) Press button (A) to correct the location that is flashing. (Pressing button (A) continuously causes the display to advance rapidly.)
(6) Press button (M) to return to the normal display.

* When none of the buttons are operated for about 2 minutes in the date correction state (flashing display), the watch automatically returns to the normal date display.
* When button (M) is pressed in the date correction state, the watch immediately returns to the normal date display.
* The year can be corrected from 2000 to 2099 (displayed only when correcting).
* The day is corrected automatically by correcting the year, month and date.
* The calendar function of this watch is a full auto calendar. Once the date is set, the end of the month is corrected automatically, including leap years.
* When the date is set to a date that does not exist, the date will automatically be corrected to the first day of the next month when the watch is returned to the normal display (example: February 30 is automatically corrected to March 1).

9. *Using the Alarm*

[Alarm (ON) Display]

Alarm On mark

(M)

City name

(B)   (A)

Alarm time   On or OF
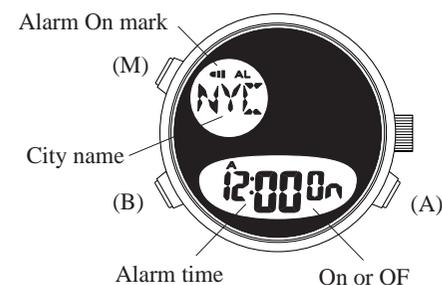
The alarm tone sounds for about 15 seconds at the same time every day once it has been set (ON). The alarm can be switched off when it is sounding by pressing any button.

<Setting Procedure>

(1) Press button (M) to switch the watch to the alarm mode.
(2) Press button (B) to display the city for which the alarm is to be set.
(3) Pressing button (B) continuously for about 2 seconds causes the alarm to be switched ON and the hours to flash.
(4) Press button (A) to correct the "hours". (Pressing button (A) continuously causes the display to advance rapidly.)
(5) Press button (B) to cause the "minutes" to flash.
(6) Press button (A) to correct the "minutes".
(7) Press button (M) to return to the normal display.

* Since the alarm time is also based on a 12-hour display when the time mode is set to a 12-hour display, pay attention to AM(A) and PM(P) when setting the alarm time.
* After the alarm has been set, the alarm time does not change even if the time mode is set to daylight savings time.
* When none of the buttons are operated for about 2 minutes in the alarm correction state, the watch automatically returns to the normal alarm display.
* When button (M) is pressed in the alarm correction state, the watch immediately returns to the normal alarm display.

<Switching the Alarm ON and OFF>

The alarm is switched On and OF (Off) each time button (A) is pressed during the normal alarm display. When the alarm is set to ON, the " ◄▌▌ " mark lights on the digital display in each mode.
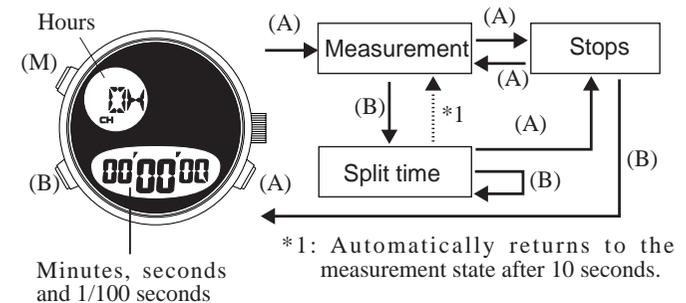
<Sound Monitor>

The alarm monitor tone sounds for as long as button (A) is pressed in the alarm mode.

10. *Using the Chronograph*

The chronograph is able to measure and display time up to a maximum of 23 hours, 59 minutes and 59.99 seconds in 1/100 second units. Following completion of measurement for 24 hours, the chronograph returns to the reset display and stops. In addition, the chronograph is also able to measure split time (intermediate elapsed time).

[Chronograph Reset Display]

Hours

(M)

(B)   (A)

Minutes, seconds and 1/100 seconds

(A) → Measurement → (A) → Stops
Measurement ← (A) ← Stops
(B) ↓ *1 ↑   (A)
Split time → (A) → (B)
Split time ← (B)

*1: Automatically returns to the measurement state after 10 seconds.

\<Measurement Procedure\>
(1) Press button (M) to switch the watch to the chronograph mode.
(2) The chronograph starts when button (A) is pressed and stops when button (A) is pressed during measurement. Starting and stopping is repeated each time button (A) is pressed.
(3) Pressing button (B) while the chronograph is stopped returns it to the reset display.

\<Split Time Measurement Procedure\>
The most recent split time is displayed for about 10 seconds whenever button (B) is pressed during chronograph measurement. (The SPL mark flashes while split time is displayed.)

* Pressing button (M) during chronograph measurement allows the mode to be changed. Chronograph measurement can be displayed in continuation from the time the mode was switched by again returning to the chronograph mode. However, the chronograph returns to the reset display when measurement exceeds 24 hours.

☆ Split time: The amount of time that has elapsed at some intermediate point from the starting line.

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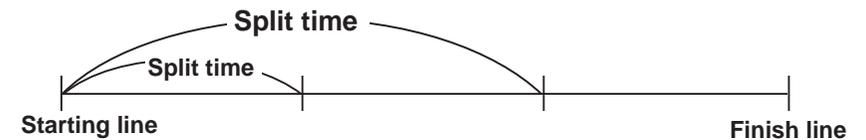
11. *Using the Timer*

The timer can be set from 60 minutes to 1 minute in 1 minute units. When timer measurement is completed, a confirmation tone indicating that the time is up sounds for about 5 seconds.

[Timer Set Time Display]

Set time (minutes)

(M)

(B)

60'00'

(A)

Remaining time (minutes, seconds)
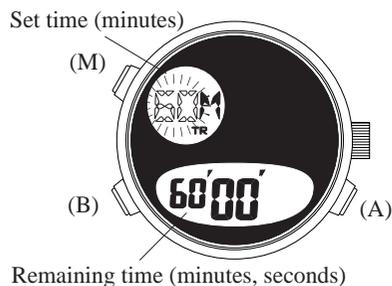
<Setting Procedure>
(1) Press button (M) to switch the watch to the timer mode.
(2) The set time can be corrected in the negative direction in 1 minute increments each time button (B) is pressed. (Pressing button (B) continuously causes the display to advance rapidly.)

<Timer Measurement Procedure>
(1) Press button (M) to switch the watch to the timer mode.
(2) When button (A) is pressed, the timer starts counting down from the set time.
(3) Pressing button (A) during timing stops the timer, and pressing button (A) again causes it to resume timing.
(4) Pressing button (B) while the timer is stopped returns the timer to the set time.

Automatically returns to the set time

(B)*1

Set time → Timing ┄┄> Time up

(A)

(A)   (A)

(B)   Stopped
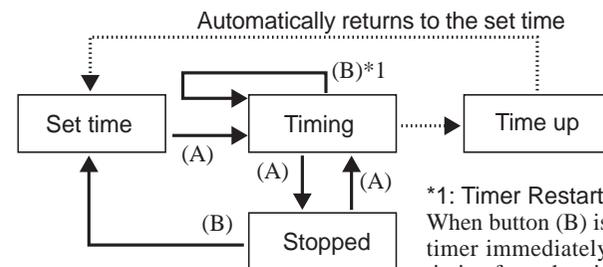
*1: Timer Restart Function
When button (B) is pressed while the timer is timing, the timer immediately returns to the set time and resumes timing from that time.

* Pressing button (M) during timer measurement allows the mode to be changed. Timer measurement can be displayed in continuation from the time the mode was switched by again returning to the timer mode. However, the timer returns to the set time display when the set time has elapsed.

12. *Using the Zone Setting Mode*

[Normal Zone Setting Display]

City name

(M)

(B)   (A)

Time

The zone setting function enables the 30 cities and UTC (Universal Time Coordinated) displayed by this watch to either be set to displayed or not displayed, and to set daylight savings time for each city except for UTC. Only those cities for which the city display has been set (On) are displayed in the time, calendar and alarm modes.

<Setting Procedure>
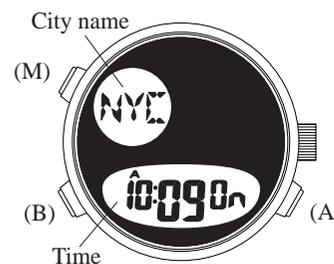
(1) Press button (M) to switch the watch to the zone setting mode.
(2) Press button (B) to display the city to be set.
(3) Pressing button (B) continuously for at least 2 seconds causes the "city name" and "On or OF" to flash.
(4) Press button (A) to select display (On) or non-display (OF) for that city.
(5) Pressing button (B) again causes "SUM(abbreviation for daylight savings time)" and "On or OF" to flash.
(6) Press button (A) to select whether daylight savings time is to be set (On) or canceled (OF).

* When desiring to set another city, pressing button (B) again switches the watch to the correction state of the next city. Set display or non-display and the use of daylight savings time for each city by repeating the same procedure in the order described above.
(7) When settings have been completed for each city, press button (M) to return to the normal display.

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* When none of the buttons are operated for about 2 minutes in the zone setting correction state, the watch automatically returns to the normal display.
* Pressing button (M) in the zone setting correction state immediately returns the watch to the normal zone setting display.

13. *All-Reset Procedure*

Always make sure to perform the all-reset procedure described below after replacing the battery. The display or operation of the watch may rarely become abnormal (such as the display not being shown or the alarm continuing to sound) when the watch is subjected to a strong impact or static electricity. Perform the following all-reset procedure in these cases as well.

<All-Reset Procedure>

(1) Pull out the crown.
(2) Press buttons (A), (B) and (M) simultaneously. (The entire display of the watch lights.)
(3) Push the crown in to the normal position. A confirmation tone sounds and the watch changes to the shutter display (no display).

This completes the all-reset procedure.

After performing the all-reset procedure, correctly reset the time and other modes before using the watch.

14. *Precautions*

CAUTION: **Water-resistance performance**

There are several types of water-resistant watches, as shown in the following table.

The unit "bar" is roughly equal to 1 atmosphere.
* WATER RESIST(ANT) xx bar may also be indicated as W.R. xx bar.

For correct use within the design limits of the watch, confirm the level of water-resistance of your watch, as indicated on the dial and case, and consult the table.

Indication		Specification	**Examples of use**				
Dial	**Case (Case back)**		Minor exposure to water (washing face, rain, etc.)	Moderate exposure to water (washing, kitchen work, swimming, etc.)	Marine sports (skin diving)	Scuba diving (with air tank)	Operation of the crown or button with moisture visible
WATER RESIST or no indication	WATER RESIST(ANT)	Water-resistant to 3 atmospheres	**OK**	**NO**	**NO**	**NO**	**NO**
WR 50 or WATER RESIST 50	WATER RESIST(ANT) 5 bar or WATER RESIST(ANT)	Water-resistant to 5 atmospheres	**OK**	**OK**	**NO**	**NO**	**NO**
WR 100/200 or WATER RESIST 100/200	WATER RESIST(ANT) 10bar/20 bar or WATER RESIST(ANT)	Water-resistant to 10 / 20 atmospheres	**OK**	**OK**	**OK**	**NO**	**NO**

• Water-resistance for daily use (to 3 atmospheres): This type of watch is water-resistant to minor exposure to water. For example, you may wear the watch while washing your face; however, it is not designed for use underwater.
• Upgraded water-resistance for daily use (to 5 atmospheres): This type of watch is water-resistant to moderate exposure to water. You may wear the watch while swimming; however, it is not designed for use while skin diving.
• Upgraded water-resistance for daily use (to 10/20 atmospheres): This type of watch may be used for skin diving; however, it is not designed for scuba or saturated diving using helium gas.

CAUTION
• Be sure to use the watch with the crown pressed in (normal position). If your watch has a screw-type crown, be sure to tighten the crown completely.
• Do NOT operate the crown or button with wet fingers or when the watch is wet. Water may enter the watch and compromise water-resistance.
• If the watch is used in seawater, rinse with fresh water afterward and wipe with a dry cloth.
• If moisture has entered the watch, or if the inside of the crystal is fogged up and does not become clear within a day, immediately take the watch to your dealer or Citizen Service Center for repair. Leaving the watch in such a state will allow corrosion to form inside.

• If seawater enters the watch, place the watch in a box or plastic bag and immediately take it in for repair. Otherwise, pressure inside the watch will increase, and parts (crystal, crown, buttons, etc.) may come off.

CAUTION: Keep your watch clean.
• Leaving dust and dirt deposited between the case and crown may result in difficulty in pulling the crown out. Rotate the crown while in its normal position, from time to time, to loosen dust and dirt and then brush it off.
• Dust and dirt tend to be deposited in gaps in the back of the case or band.
Deposited dust and dirt may cause corrosion and soil your clothing. Clean the watch occasionally.

Cleaning the Watch
• Use a soft cloth to wipe off dirt, perspiration and water from the case and crystal.
• Use a soft, dry cloth to wipe off perspiration and dirt from the leather band.
• To clean a metal, plastic, or rubber watchband, wash away dirt with mild soap and water. Use a soft brush to remove dust and dirt jammed in the gaps in the metal band. If your watch is not water-resistant, take it to your dealer.
NOTE: Avoid using solvents (thinner, benzine, etc.), as they may mar the finish.

WARNING: Handling of the battery

• Keep the battery out of the reach of small children. If a child swallows the battery, contact a physician immediately.

CAUTION: Replacing the battery

• For replacement of the battery, take your watch to your dealer or Citizen Service Center.
• Replace the battery as soon as possible if the service life of the battery has expired. Leaving a depleted battery in the watch may result in leakage, which can damage the watch severely.

CAUTION: Operating environment

• Use the watch within the operating-temperature range specified in the instruction manual.
  Using the watch where temperatures are outside the specified range, may result in deterioration of functions or even stoppage of the watch.
• Do NOT use the watch in places where it is exposed to high temperature, such as in a sauna.
  Doing so may result in a skin burn.

• Do NOT leave the watch in a place where it is exposed to high temperature, such as the glove compartment or dash-board of a car.
  Doing so may result in deterioration of the watch, such as deformation of plastic parts.
• Do NOT place the watch close to a magnet.
  Timekeeping will become inaccurate if you place the watch close to magnetic health equipment such as a magnetic necklace or a magnetic latch of a refrigerator door or handbag clasp or the earphone of a mobile phone. If this has occurred, move the watch away from the magnet and reset the time.
• Do NOT place the watch close to household appliances that generate static electricity.
  Timekeeping may become inaccurate if the watch is exposed to strong static electricity, such as is emitted from a TV screen.
• Do NOT subject the watch to a strong shock such as dropping it onto a hard floor.
• Avoid using the watch in an environment where it may be exposed to chemicals or corrosive gases.
  If solvents, such as thinner and benzine, or substances containing such solvents come in contact with the watch, discoloration, melting, cracking, etc. may result. If the watch comes in contact with mercury used in thermometers, the case, band or other parts may become discolored.

15. *Specifications*

1. Caliber No.: U010
2. Type: Combination quartz watch
3. Time-keeping accuracy: Within ±20 seconds per month on average (when worn at normal temperatures of +5˚C to +35˚C/41˚F to 95˚F)
4. Operating temperature range: 0˚C to +55˚C (32˚F to 131˚F)
5. Display functions:
Analog display: Hours, minutes, seconds (3 hands)
Digital display: * Time: Hours, minutes, seconds, city name
                  * Calendar: Month, date, day, city name, year (displayed only during correction)
                  * Alarm: Hours, minutes, ON or OF (off), city name
                  * Chronograph: 24 hour timing (1/100 second units), split time
                  * Timer: 60 minute timing (1 second units)
                  * Zone setting: Setting of city display or non-display, setting of daylight savings time

6. Additional functions:
            * Shutter function
            * Time and date display function for UTC and 30 cities around the world
            * EL illumination function
7. Battery: Battery no.: 280-44/battery code: SR927W
8. Battery life: Approx. 3 years (when the alarm tone sounds for 15 seconds/day, timer confirmation tone sounds for 5 seconds/day, EL illumination is used for 3 seconds/day and the chronograph is used for 24 hours/week)

*Specifications are subject to change without notice.