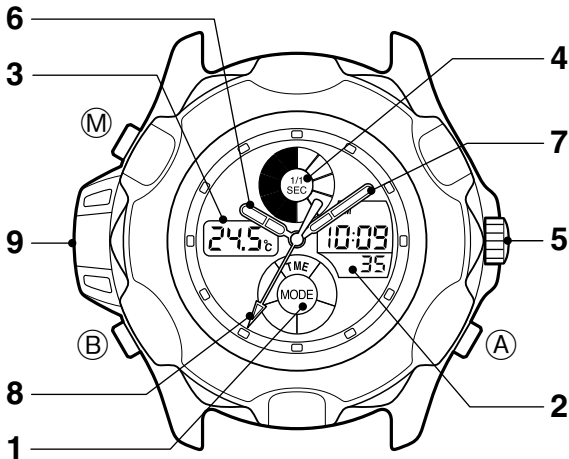


CITIZEN®

INSTRUCTION MANUAL



This watch is a combination quartz watch with calendar and various functions such as alarm, chronograph and timer.

It also has a thermometer function and an EL (electroluminescence) light function.

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Name of parts

Name		Mode	Time	Calendar
Button (A)	Press once		EL light ON	
	Press for more than 2 seconds			
Button (B)	Press once		Thermometry	Thermometry
	Press for more than 2 seconds		To time adjustment mode	To calendar adjustment mode
Button (M)	Press once		To <CAL> mode	To <ALM> mode
1: Mode mark display			TME	CAL
2: Digital display [1]			Hours, Minutes, Seconds	Month, Date, Day of the week
3: Digital display [2]			Temperature	Temperature

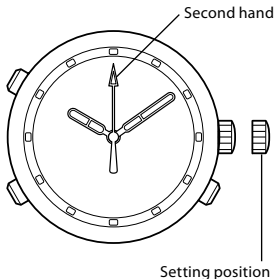
Name of parts

Alarm	Chronograph	Timer
Switching ON/OFF	Start/Stop	Start/Stop
Alarm monitor	——	——
——	Split/Reset	Set time adjustment
To alarm adjustment mode	——	Quick set time adjustment
To <CHR> mode	To <TMR> mode	To <TME> mode
ALM	CHR	TMR
Set time, ON/OFF	Hours, Minutes, Seconds	Minutes, Seconds, Set time
Temperature	1/1000 second	Temperature

Name of parts

4: Graphic display	Always indicates graphic, synchronized with digital display 1
5: Crown	Used for setting analog
6: Hour hand	Always indicates time (hours)
7: Minute hand	Always indicates time (minutes)
8: Second hand	Always indicates time (seconds)
9: Thermosenso	Senses current temperature, shown by digital display 2

Setting the hands



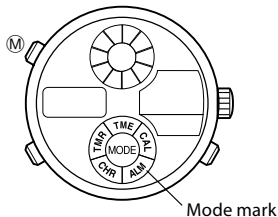
- (1) Pull the crown out to stop the second hand.
- (2) Turn the crown to set the correct time.
- (3) Press the crown back in to restart.

Analog and digital time can be set individually as a dual-time watch.

Changing digital functions (modes)

Besides the time function, this watch has four other functions. Calendar, alarm, chronograph and timer.

The current mode can be checked by the mode mark. Each time button (M) is pressed, the watch mode changes in the following sequence.



Mode mark	Mode (function)
TME	Time
CAL	Calendar
ALM	Alarm
CHR	Chronograph
TMR	Timer

<Automatic return function>

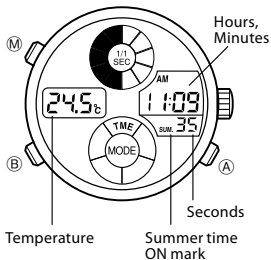
When the watch is left in alarm mode for more than 2 minutes, it automatically returns to time mode.

Using each function (mode)

A. Time mode <TME>

When button (A) is pressed or being pressed in time mode, the EL light is turned on.
When button (B) is pressed, the current temperature is recalculated.

[Normal time display]



<Switching to summer time (daylight saving time)>

- Press button (B) in time mode for more than 2 seconds. The “SUM.” and “ON/OFF” starts blinking to indicate that the watch enters time setting mode. The blinking figures can be adjusted.
- Press button (A) to set summer time on or off.
Each time button (A) is pressed, the summer time setting mode is switched on (ON) or off (OF) alternately.
- Press button (M) to return the watch to normal time display.

Using each function (mode)

* When watch is set to the summer time (ON).

The “SUM.” appears and the watch indicates time that is one hour ahead of standard time.

<Setting digital time>

- (1) Press button (B) in normal time mode for more than 2 seconds. The “SUM.” and “ON/OF” starts blinking to indicate that the watch enters time setting mode.
- (2) Each time button (B) is pressed in time setting mode, the blinking figures change from the “SUM.” to “seconds”, “minutes”, “hours”, “12-hour/24-hour”, and to “SUM.” again. Use button (B) to select the figures you want to change.
- (3) Adjust the blinking figures by pressing button (A) . (If button (A) is pressed continuously, the figures change quickly.)
 - The summer time display is switched ON/OF each time button (A) is pressed.
 - For resetting seconds, press button (A) to restart from “00” second.
 - The “12-hour/24-hour” indication system is switched alternately each time button (A) is pressed.
- (4) Press button (M) to return the watch to normal time display.

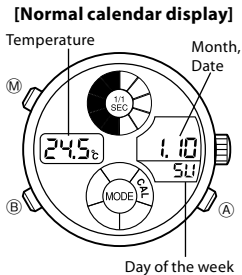
Using each function (mode)

- When setting time in 12-hour indication system, make sure it is correctly set for the morning (AM) or the afternoon (PM).
- If the watch is left in time setting mode (figures blinking) for more than 2 minutes, it returns to normal time display automatically.
- If button **(M)** is pressed in time setting mode, the watch returns to normal time display.

Using each function (mode)

B. Calendar mode <CAL>

When button (A) is pressed or being pressed in calendar mode, the EL light is turned on.
When button (B) is pressed, the current temperature is recalculated.



<Setting calendar>

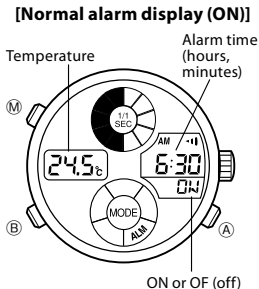
- (1) Press button (B) in calendar mode for more than 2 seconds. The “Month” starts blinking to indicate that the watch enters calendar setting mode.
- (2) Press button (B) to select the setting “Month”, “Date” or “Year”. Blinking figures move in order from “Month” to “Date”, to “Year”.
- (3) Press button (A) to adjust the blinking figures. (If button (A) is pressed continuously, the figures changes quickly.)
- (4) Press button (M) to return the watch to normal calendar display.

- The Year (in the Christian era) can be set between 1998 and 2099. (Year display appears in calendar setting mode only.)
- If the watch is left in calendar setting mode (figures blinking) for more than 2 minutes, the watch returns to normal calendar display automatically.
- The correct day of the week is automatically set as a result of setting the year, month and date.
- If the date is set to a non-existing date (for example, February 30), the watch automatically displays the first day of the next month when it returns to normal calendar display.
- This watch need not to set for the 1st day of every month due to the automatic calendar function.
- If button **(M)** is pressed in calendar setting mode, the watch returns to normal calendar display.

Using each function (mode)

C. Alarm mode <ALM>

Once this alarm is set (ON), it sounds for 20 seconds at the same time every day.



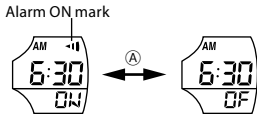
<Setting alarms>

- (1) Press button (B) in alarm mode for more than 2 seconds. The “Hours” starts blinking to indicate that the watch enters alarm setting mode.
- (2) Press button (A) to adjust “Hours”.
- (3) While the “Hours” is blinking, press button (B) to start the “Minutes” blinking.
- (4) Press button (A) to adjust “Minutes”. (Pressing button (A) continuously changes the figures quickly.)
- (5) Press button (M) to return the watch to normal alarm display.

<Switching alarm ON/OFF>

Each time button (A) is pressed while in normal alarm display, the alarm is switched ON/OFF(off) alternately.

When the alarm is ON, the “-|| ON mark” turns on.

**<Alarm sound duration, Stopping alarm>**

The Alarm sound duration is 20 seconds. Alarm sound stops by pressing any button.

<Monitoring sound>

While button (A) is being pressed in alarm mode, the alarm continues to sound.

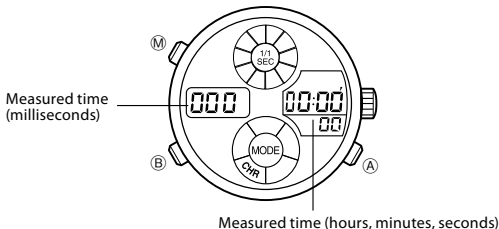
Using each function (mode)

- When time mode is in 12-hour system, the alarm mode is in the same system. Be aware of A/P indication whether it is set for morning (AM) or afternoon (PM).
- If time mode is set for summer time, it does not affect the alarm mode.
- If the watch is left in alarm setting mode for more than 2 minutes, it automatically returns to normal alarm display.
- If button **(M)** is pressed in alarm setting mode, the watch returns to normal alarm display.

D. Chronograph mode <CHR>

The chronograph is capable of measuring and indicating a maximum of 23 hours, 59 minutes, 59 seconds and 999 milliseconds in increments of 1/1000 second. After 24 hours, it stops with a reset display of "00°00'00"000". The chronograph can also measure split time (elapsed time).

[Chronograph reset display]



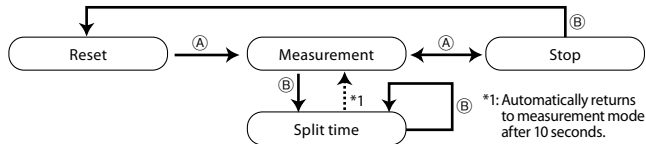
Using each function (mode)

<Total elapsed time measurement>

- (1) The chronograph starts or stops each time button (A) is pressed.
- (2) To reset the chronograph, press button (B) after it is stopped.

<Split time measurement>

- (1) The chronograph starts or stops each time button (A) is pressed.
- (2) Press button (B) during a time measurement, and the watch shows a split time for 10 seconds. While a split time is shown, "SPLIT" will blink.
Each time button (B) is pressed, the chronograph shows the latest split time.
- (3) To reset chronograph, press button (B) after it is stopped.



<Changing the mode during time measurement in chronograph mode>

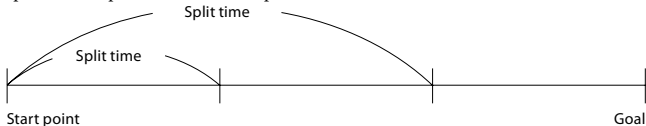
Even if button **M** is pressed during a time measurement in chronograph mode and mode is changed, time measurement is continued internally. The measured time is shown when the mode is returned to chronograph again. However, if the time measurement is continued for more than 24 hours, the chronograph stops at the reset state.

* Confirmation sound and EL light

At the time of start, stop, split time check or reset operation in chronograph mode, a confirmation sound is heard.

At the time of stop or a split time measurement, the EL light is turned on for 3 seconds with the sound.

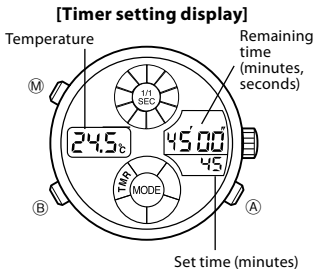
Split time: Elapsed time from start point



Using each function (mode)

E. Timer mode <TMR>

The timer can be set for 1 minute to 60 minutes in increments of 1 minute. When the set time is up, a time-up warning sound is heard for about 5 seconds. After that, the timer returns to set time and stops.

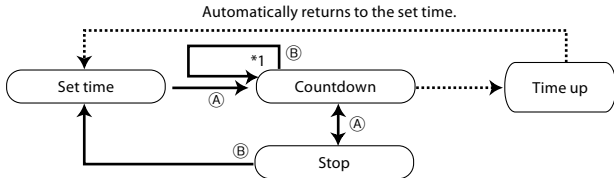


<Setting timer>

Press button (B) in timer setting display (set time is blinking) to change the set time. Each time button (B) is pressed, the indicated set time decreases by 1 minute. (If button (B) is pressed continuously, the indicated value decreases quickly.)

<Timer countdown>

- (1) Press button (A) to start the timer at the set time.
- (2) If button (A) is pressed during timer countdown, the timer stops. If button (A) is pressed again, the timer restarts.
- (3) If button (B) is pressed when the timer stops, the display returns to the timer set time.



*1: Timer restart function

If button (B) is pressed during timer countdown, the mode immediately changes to timer set time display and restarts.

Using each function (mode)

- **Confirmation sound**

At the time of start, stop, reset or timer restart operation in timer mode, a confirmation sound is heard.

<Changing modes during timer countdown>

If button **(M)** is pressed in timer mode to change the mode, the time countdown is continued internally. If the mode is changed again to timer mode, the time continuously counted down by the timer is displayed. However, if the timer time is up, the display returns to timer set time.

Using the thermometer

The thermometer indicates the current or last measured temperature in all modes except the chronograph mode.

Temperature is measured in two ways:

1. By button operation at any time
2. Automatically measured every hour, on the hour

Temperature can be indicated either in centigrade (°C) or on Fahrenheit (°F).

<Automatic temperature measurement>

Temperature is automatically measured every hour, on the hour and when the mode changes from chronograph to timer.

However, if the watch is in the setting status (blinking indication) in time mode or chronograph mode at the moment of measurement, no temperature is measured.

<Temperature measurement by button operation>

If button (B) is pressed in the normal time mode or calendar mode, temperature is repeatedly measured for 3 minutes at intervals of 2 seconds.

Using the thermometer

<Temperature measurement range and accuracy>

	In Centigrade (°C)	On Fahrenheit scale (°F)
Temperature display range	-9.9°C ~ +59.9°C	14°F ~ 139°F
Measurement unit	0.1°C	1°F
Measurement accuracy	20°C ~ 30°C: ±1°C -5°C ~ +40°C: ±2°C	68°F ~ 86°F: ±2°F 23°F ~ 104°F: ±4°F

(Note)

- If the watch is worn on the wrist during temperature measurement, the body temperature affects measurement.

For accurate temperature measurement, take the watch off and leave it in the measuring environment at least for 20 to 30 minutes. The influence of body temperature depends on environmental conditions such as difference between atmospheric temperature and body temperature before taking the watch off, etc.

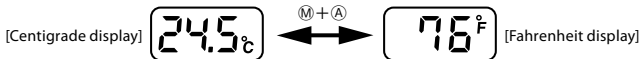
Using the thermometer

- Do not use the thermometer out of the display range. Extremely hot or cold temperature may cause breakdown of the watch.

<Switching temperature display between centigrade and Fahrenheit>

Press button (A) in time or calendar mode for more than 3 seconds while pressing button (M). The temperature display changes from centigrade (°C) to Fahrenheit (°F) or vice versa.

If button (A) is pressed before button (M), display does not change.

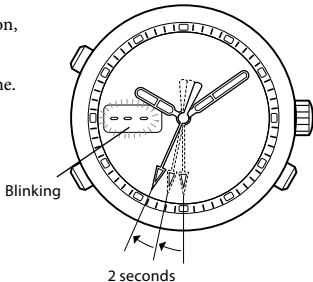


Low battery indicator

When the battery gets weak, the low battery indicator function appears in digital display 2 as shown below.

- The second hand moves at 2-second intervals (moves by 2 increments every 2 seconds).
- In time or calendar mode, the temperature display starts to blinking “- - -”.

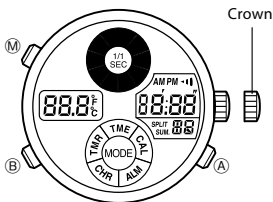
Even when the watch falls into such condition, it still displays the time but the EL light, thermometer and alarm will not function. Immediately replace the battery with new one.



All reset

After replacement of the battery, be sure to perform the all reset operation as shown below.

If the watch malfunctions or shows an abnormal display as a result of an excessive shock or static electricity (for example, the watch indicates nothing, continuously sounds alarm, etc.). Perform the all reset operation.



- (1) Pull the crown out.
- (2) Simultaneously press buttons (A), (B) and (M).
- (3) Release the three buttons.
- (4) Press the crown back. (A confirmation sound is heard.)

All reset operation is complete.

Before use, reset the watch for the correct time in all modes.

Using the bezel

Some watches do not have the following bezel functions because of differences in type or design.

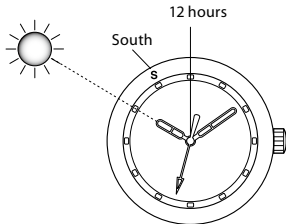
1. Compass function
2. Yachting function

1. Compass function (in the northern hemisphere)

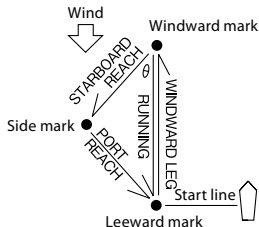
Compass direction can be approximated by this function, based on the direction of the sun.

<Finding compass direction>

Point the hour hand in the direction of the sun. The midpoint between the hour hand and the 12 hours mark is roughly equal to south. Point the "S" mark in the south direction and you can read the approximate directions of the compass. Use this indication just as a guideline because the indication changes slightly depending on the season and latitude.



2. Yachting function



<Background knowledge>

In general yacht racing, such markings as shown in the figure are set in the course. Yachtsmen compete in how fast they can sail the course in the specified order. Sailing directions are specified by angles such as north = 0° , east = 90° , south = 180° , west = 270° . Sailing with the wind coming from the right side is called starboard, sailing with wind from the left side is called port.

<Using bezel-1>

- (1) Before setting sail, find the windward mark by the compass and set the “▲” mark of the 12-hours point in the direction.

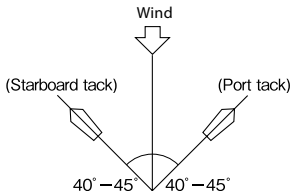
Using the bezel

- (2) The course toward the side mark from the windward mark (starboard reach) is in the direction of the green “▲” mark located in the lower left side. Therefore, sail in this direction so that the yacht reaches the side mark even when the mark is hard to find because of bad weather.
- (3) In the same manner as (2), sail in the direction indicated by the red “▲” mark in order to sail on the course from the side marking to the leeward mark (port reach).
- (4) For sailing from the right side marking to the left, sail the yacht in the direction of the white “▲” mark.

Note: The above-mentioned method is effective only when θ is set at 45° . If the θ is 60° and the side mark projects sideways, read the numbers above the green and red markings, otherwise the right course cannot be found. In case θ is 30° and the side mark is inside, read the numbers under the red and green ▲ markings.

<Using bezel-2>

The yacht can sail in the windward direction at an angle of 45° (high performance yacht can sail 40°). If the yacht is sailed in the windward direction before race and the obtained angle at the red or green mark (upper right or upper left) is set, the wind shift can be read during the race. Therefore, the yacht can be sailed in the most favorable direction.

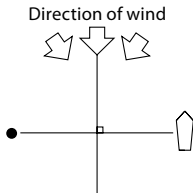


Using the bezel

<Using bezel-3>

The bezel can be used to find the angle of the start line to the wind direction. The start line is generally set to the wind at an angle of 90° . However, it seldom is the real right angle because the wind direction changes frequently. Therefore, set the white ▲ mark in the wind direction and sail in the direction from one end to the other. If the sailing direction is in positive side of the white line of the 3-hours (or 9-hours) point, it is advantageous to set sail close to the current direction. If the current direction is in negative side of the white line, it is advantageous to take a course opposite to the mark.

* Making full use of the three functions enables you to sail in the most favorable course.



Water resistance








WARNING Water Resistance

- Non-water resistant models are not designed to come into contact with any moisture. Take care not to expose a watch with this rating to any type of moisture.
- Water resistance for daily use (to 3 atmospheres) means the watch is water resistant for occasional accidental splashing.
- Upgraded water resistance for daily use (to 5 atmospheres) means that the watch may be worn while swimming, but is not to worn while skin diving.
- Upgraded water resistance for daily use (to 10/20 atmospheres) means that the watch may be worn while skin diving, but not while scuba or saturated diving using helium gas.

Water resistance

- Refer to the watch dial and the case back for the indication of the water resistance of your watch. The following chart provides examples of use for reference to ensure that your watch is used properly. (The unit “1bar” is roughly equal to 1 atmosphere.)
- WATER RESIST(ANT) ××bar may also be indicated as W.R.××bar.

Name	Indication	Specification
	Dial or Case back	
Non-water resistant watch	—	Non-water resistant
Everyday-use water resistant watch	WATER RESIST(ANT)	Water resistant to 3 atmospheres
Upgraded everyday-use water resistant watch	WATER RESIST(ANT) 5 bar	Water resistant to 5 atmospheres
	WATER RESIST(ANT) 10/20 bar	Water resistant to 10 or 20 atmospheres

Water-related use				
 Minor exposure to water (washing face, rain, etc.)	 Swimming and general washing work	 Skin diving, marine sports	 Scuba diving using an air tank	 Operate the crown or button when the watch is wet
NO	NO	NO	NO	NO
OK	NO	NO	NO	NO
OK	OK	NO	NO	NO
OK	OK	OK	NO	NO

Precautionary items and usage limitations

CAUTION To Avoid Injury

- Be particularly careful when wearing your watch while holding a small child, to avoid injury.
- Be particularly careful when engaged in strenuous exercise or work, to avoid injury to yourself and others.
- Do NOT wear your watch while in a sauna or other location where your watch may become excessively hot, since there is the risk of burns.
- Be careful when putting on and taking off your watch, since there is a risk of damaging your fingernails, depending on the manner in which the band is fastened.
- Take off your watch before going to bed.

CAUTION Precautions

- Always use the watch with the crown pushed in (normal position). If the crown is of the screw lock-type, make sure it is securely locked.
- Do NOT operate the crown or any push buttons when the watch is wet. Water may enter the watch causing damage to vital components.
- If water enters the watch or the watch fogs up and does not clear up even after a long time, consult your dealer or Authorized Service Center for inspection and/or repair.

Precautionary items and usage limitations

- Even if your watch has a high level of water resistance, please be careful of the following.
 - If your watch is immersed in sea water, rinse thoroughly with fresh water and wipe with a dry cloth.
 - Do not pour water from a tap directly onto your watch.
 - Take off your watch before taking a bath.
- 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, push button, etc.) may come off.

CAUTION When Wearing Your Watch

<Band>

- Leather, genuine skin and rubber (urethane) bands will deteriorate over time due to perspiration, body oils and dirt. Be sure to replace the band periodically.
- The durability of a leather band may be affected when wet (fading, peeling of adhesive), owing to the properties of the material. Moreover, wet leather may cause a rash.
- It is recommended to take off the watch if it gets wet, even if the watch itself is water resistant.

Precautionary items and usage limitations

- Do not wear the band too tightly. Try to leave enough space between the band and your skin to allow adequate ventilation.
- The rubber (urethane) band may be stained by dyes or soil present in or on clothing or other accessories. Since these stains may not be removable, caution is required when wearing your watch with items that tend to easily transfer color (articles of clothing, purses, etc.). In addition, the band may be deteriorated by solvents or moisture in the air. Replace with a new one when it has lost elasticity or become cracked.
- Please request adjustment or repair of the band in the following cases:
 - You notice an abnormality with the band due to corrosion.
 - The pin of the band is protruding.
- We do not recommend attempting to adjust the watch band yourself. Special expertise and experience is required for proper adjustment. If not adjusted correctly, the band may become detached leading to loss of your watch. (Some retailers may supply a band adjustment tool with your purchase).

For band adjustment, we recommend you consult the retailer from where the watch was purchased or your nearest Authorized Citizen Service Center. Some repair shops may charge a nominal fee for adjustment if the watch was not purchased directly from them.

<Temperature>

- The watch may stop or the function of the watch may be impaired in extremely high or low temperature. Do not use the watch in places where the temperature is outside the operating temperature range as stated in the specifications.

Precautionary items and usage limitations

<Magnetism>

- Analog quartz watches are powered by a step motor that uses a magnet. Subjecting the watch to strong magnetism from the outside can cause the motor to operate improperly and prevent the watch from keeping time accurately. Do not allow the watch to come into close proximity to magnetic health devices (magnetic necklaces, magnetic elastic bands, etc.) or the magnets used in the latches of refrigerator doors, clasps used in handbags, the speaker of a cell phone, electromagnetic cooking devices and so on.

<Strong Shock>

- Avoid dropping the watch or subjecting it to other strong impact. It may cause malfunctions and/or performance deterioration as well as damage to the case and bracelet.

<Static Electricity>

- The integrated circuits (IC) used in quartz watches are sensitive to static electricity. Please note the watch may operate erratically or not at all if exposed to intense static electricity.

<Chemicals, Corrosive Gasses and Mercury>

- If paint thinner, benzene or other solvents or products containing these solvents (including gasoline, nail-polish remover, cresol, bathroom cleaners and adhesives, water repellent, etc.) are allowed to come into contact with the watch, they may discolor, dissolve or crack the materials. Be careful when handling these chemicals. Contact with mercury such as that used in thermometers may also cause discoloration of the band and case.

Precautionary items and usage limitations

<Protective Stickers>

- Be sure to remove any protective stickers that may be on your watch (case back, band, clasp, etc.). Otherwise, perspiration or moisture may enter the gaps between the protective stickers and the parts, which may result in a skin rash and/or corrosion of the metal parts.



CAUTION Always Keep Your Watch Clean

- Rotate the crown while it is pressed in fully and press the buttons periodically so they do not become stuck due to accumulations of foreign matter.
- The case and band of the watch come into direct contact with the skin in the same manner as undergarments. Corrosion of the metal or unnoticed soiling such as that caused by perspiration and dirt can soil sleeves and other portions of clothing. Keep your watch clean at all times.
- The case and band of the watch come into direct contact with the skin. If you think there is something wrong, discontinue wearing the watch immediately and consult your physician. In the case of accumulation of sweat or dirt on a metal band or case, clean thoroughly using a brush and neutral detergent. In the case of a leather band, wipe clean using a dry cloth.
- Leather bands may become discolored by perspiration or dirt. Always keep your leather band clean by wiping with a dry cloth.

Precautionary items and usage limitations

Caring for Your Watch

- Wipe any dirt or moisture such as perspiration from the case and crystal with a soft cloth.
- For a metallic, plastic or rubber (urethane) watchband, wash any dirt off with water. Remove the small amounts of dirt trapped between the crevices of the metallic band with a soft brush.
- For a leather band, wipe off dirt using a dry cloth.
- If you will not be using your watch for an extended period of time, carefully wipe off any perspiration, dirt or moisture and store in a proper location, avoiding locations subject to excessively high or low temperatures and high humidity.

<When Luminous Paint is used for your watch>

The paint on the dial and hands helps you with reading the time in a dark place. The luminous paint stores light (daylight or artificial light) and glows in a dark place.

It is free from any radioactive substance or any other material harmful to a human body or environment.

- The light emission gradually becomes weaker as time passes.
- The duration of the light (“glow”) will vary depending on the brightness, types of and distance from a light source, exposure time, and the amount of the paint.
- The paint may not glow and/or may dissipate quickly if exposure to light was not sufficient.

Specifications

1. Caliber No.: C71*
2. Type: Combination (analog and digital) quartz watch
3. Watch accuracy: ± 20 seconds per month (average)
[Worn at room temperature: $+5^{\circ}\text{C}$ to $+35^{\circ}\text{C}$ (41°F to 95°F)]
4. Operating temperature range: 0°C to $+55^{\circ}\text{C}$ (32°F to 131°F)
5. Display functions:
 - Time: Hours, minutes, seconds, temperature
 - Calendar: Month, date, day of the week, temperature
 - Alarm: Hours, minutes, alarm ON/OFF (off)
 - Chronograph: 24-hour chronograph (unit: 1/1000 second), split time
 - Timer: 60-minute timer (setting unit: 1 minute)
6. Additional functions:
 - EL light function
 - Thermometer function
 - Low battery warning function
7. Battery used: Battery No.: 280-44, Battery code: SR927W

8. Battery life: 2 years approx. (operating conditions; alarm sound: 20 seconds/day, time-up sound in the timer mode: 5 seconds/day, EL light: 3 seconds/day)

* The specified battery assures the accuracy for 2 years when the watch is used in the standard operating condition as mentioned above. However, the service life of the battery differs greatly depending on the frequency of use of the alarm, chronograph, EL light, etc.

* Specifications are subject to change, for improvement, without notice.

CE

Model No.JS1 *

Cal.C710

CTZ-B8010⑥