

# CITIZEN®

## INSTRUCTION MANUAL



***Eco-Drive***®



ENGLISH

FRANÇAIS

ESPAÑOL

DEUTSCH

ITALIANO

PORTUGUÊS

中文(繁体字)

中文(简体字)

Thank you for your purchase of this Citizen watch.

Before using the watch, read this instruction manual carefully to ensure correct use.

After reading the manual, store it in a safe place for future reference.

Visit the Citizen website (<https://www.citizenwatch-global.com/>) to view visual guides for operation of your watch. Some models may be equipped with external features (calculation scale, tachymeter, etc.). Visual guides for operation of such external features can also be found on the website.

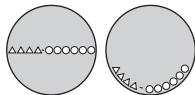
### To check the movement number

A case number—4 alphanumeric characters and 6 or more alphanumeric characters—is engraved on the case back. (Figure on the right)

The first 4 characters of the case number represent the movement number of the watch.

In the example on the right, “△△△△” is the movement number.

### Engraving position example






The engraving position may differ depending on watch model.

## Safety precautions — IMPORTANT



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This manual may contain certain safety advisories. Your watch should be used in accordance with these advisories at all times to ensure optimal enjoyment of your watch and to prevent injury to yourself, other persons and/or damage to property. Understand the meaning of the following symbols and read pages from **20** to **29**.

- Safety advisories are categorized and depicted in this manual as follows:

 <b>DANGER</b>	Highly likely to cause death or serious injury
 <b>WARNING</b>	Can cause serious injury or death
 <b>CAUTION</b>	Can or will cause minor or moderate injury or damage

- Important instructions are categorized and depicted in this manual as follows:

	Warning (caution) symbol followed by instructions that should be followed or precautions that should be observed.
	Warning (caution) symbol followed by prohibited matters.

## Before using this watch

### Band adjustment

We recommend seeking the assistance of an experienced watch technician for sizing of your watch. If adjustment is not done correctly, the bracelet may unexpectedly become detached leading to loss of your watch or injury.

Consult your nearest authorized service center.

### Protective stickers

Be sure to remove any stickers covering the metal parts (back cover, band, clasp) or glass of the watch before use. 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.

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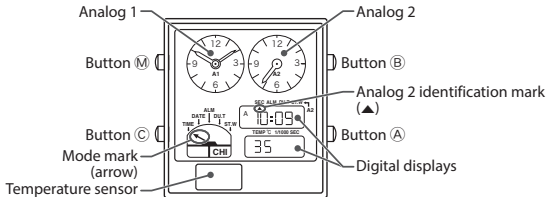
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## Features

This watch is a combination quartz watch equipped with time and calendar functions as well as alarm, chronograph and dual time functions. It is also provided with a temperature display function that displays the current temperature at all times.

## Displays and buttons





- The lamp is switched on by pressing button **(C)**.
- Analog 1: Provides a continuous display of the current time (hour, minute).
- Analog 2: Provides “second”, a rough indication of “alarm time” or “local time”. In the chronograph mode, it switches to “measured time (hour)”.

• **Changing the function modes:**

Each time you press button **(M)**, the mode mark changes as follows: TIME <time> - DATE <calendar> - ALM <alarm> - D.U.T <dual time> - S.T.W <chronograph>.

• **Changing the indication of the Analog 2:**

Each time you press button **(B)**, the indication changes as follows: SEC <second> - ALM <alarm time> - D.U.T <local time>.

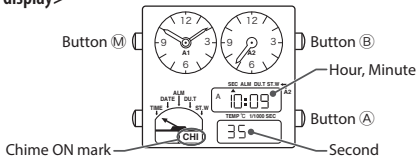
<**Tips for the digital indication settings**>

(**time, calendar, alarm and local time**)

- Pressing and holding button **(A)** advances the flashing indication continuously when you set the calendar, time, or alarm.
- Pressing button **(M)** while setting returns the indication to normal.
- The indication automatically returns to normal if no button is operated for more than 2 minutes while setting the digital indication (digital indication is flashing).

## Setting the time

<Normal time display>



1. Press button **M** repeatedly to change the mode mark to the time mode.
2. Press and hold button **B** until the "second" digit starts flashing.
3. Each time you press button **B**, the flashing (adjustable) part changes as follows: [time on the digital display: second, minute, hour, 12/24-hour] - [Analog 1] - [Analog 2]
4. Press button **A** repeatedly to set the flashing part.
5. Press button **M** to return to the normal time display.

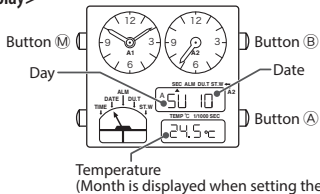
- When correcting the second, pressing button (A) returns the second display to “00” after which the watch starts running.
- When changing the 12/24-hour, the 12/24-hour clock display is switched alternately by pressing button (A).
- When correcting Analog 1 (“hour” and “minute” are flashing simultaneously), pressing button (A) corrects the hand. The hand advances to the clockwise direction in 1/3 minute (20 seconds) intervals each time button (A) is pressed. Adjust the time as the same as the digital time.
- When correcting Analog 2 (“00” and the analog 2 identification mark are flashing simultaneously), pressing button (A) corrects the hand. The hand advances to the clockwise direction in one scale interval each time button (A) is pressed. Adjust the time at the 12:00 position.
- During the normal time display, pressing button (A) for at least 2 seconds switches the chime on or off each time it is pressed. When the chime is switched on, the chime ON mark (CHI) is displayed below the mode mark display.

**<Note>**

- Operation of the “second” display of Analog 2 is linked with the “second” of the digital time.

## Setting the calendar

<Normal calendar display>



1. Press button **(M)** repeatedly to change the mode mark to the calendar mode.
2. Press and hold button **(B)** until the "month" starts flashing on the lower digital display.
3. Each time you press button **(B)**, the flashing (adjustable) part changes as follows:  
[month-date-year]
4. Press button **(A)** repeatedly to set the flashing part.
5. Press button **(M)** to return to the normal calendar display.

- Second is continuously displayed in the Analog 2 in the calendar correction mode.
- Year of calendar can be set to 2000-2099.
- The day is corrected automatically by correcting the year, month and date.
- The date does not have to be corrected on the last day of the month, including leap years. The watch performs this automatically.

## Using temperature display function

The temperature display function can be used in the calendar mode. This function automatically measures ambient temperature and display it on the digital display. In addition, the interval at which temperature is measured can be selected either every second or every minute.

### <Switching of temperature measuring interval>

During the normal calendar display, pressing button (A) switches the temperature measuring interval between measurement every second and every minute. The “°C” mark flashes at the measuring interval that has been selected.

However, in the case of temperature being measured every second, the watch automatically switches to measurement every minute after measuring temperature every second for about 3 minutes.

### <Temperature measuring range and measurement accuracy>

Displayed temperature range	-9.9°C to 59.9°C/14.2°F to 139.8°F
Display units	0.1°C/0.2°F
Measurement accuracy	+20°C to +30°C: ±1°C/68°F to 86°F: ±2°F -5°C to 40°C: ±2°C/23°F to 104°F: ±4°F

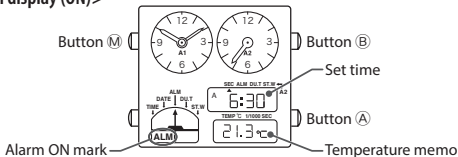
### <Notes>

During temperature measurement, the measured temperature will be body temperature when the watch is worn on the wrist. In order to obtain an accurate temperature measurement, remove the watch from the wrist and adapt to the temperature in which temperature is to be measured for at least 20-30 minutes. The amount of time required for the watch to be adapted to the temperature varies according to the temperature difference, location and so forth.

Do not use the temperature display function of the watch in extremely low or high temperatures, as it may cause a malfunction.

## Using the alarm

<Normal alarm display (ON)>



1. Press button (M) repeatedly to change the mode mark to the alarm mode.
2. Press and hold button (B) until the "hour" digit starts flashing.
3. Press button (A) repeatedly to set the hour of the alarm time.
4. Press button (B) to change the adjustable digit to "minute".
5. Press button (A) repeatedly to set the minute of the alarm time.
6. Press button (M) to return to the normal alarm display.



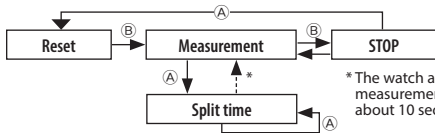
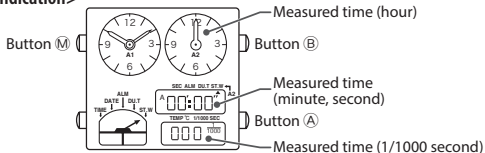
- In the alarm correction mode, Analog 2 serves as a rough indicator of the set alarm time.
- During the normal alarm display, pressing button **(A)** activates/deactivates the alarm alternately. When the alarm is switched on, the alarm ON mark (ALM) is displayed below the mode mark display.
- If button **(A)** is pressed in the normal alarm display, the alarm monitor starts sounding, then keeps sounding while the button is pressed and held. (Sound monitor)
- In addition, the temperature at the set alarm time is automatically stored in memory, and displayed as a temperature memo.
- The temperature memo stored in memory is displayed either until the temperature of the next set time is stored in memory or until the alarm is reset.

**<Notes>**

- The time indication (12/24-hour) of the alarm mode follows the setting on the time mode.
- The alarm sounds for about 20 seconds.
- Pressing any button will stop the sound.

# Using the chronograph

## <Chronograph initial indication>



\* The watch automatically returns to measurement of elapsed time after about 10 seconds.

## <Note>

- “Split time” means the elapsed time since you start timing.

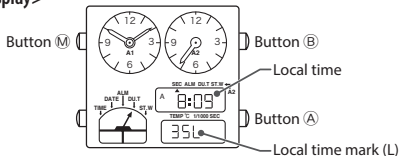
- Press button **(M)** repeatedly to change the mode mark to the chronograph mode. Buttons **(A)** and **(B)** are used for the chronograph operation.
- You can switch to other modes by pressing button **(M)** even while timing. The timing continues while indicating other modes. Pressing button **(M)** repeatedly to return to the chronograph mode and display the timing indication.
- If button **(A)** is pressed during measurement, the split time flashes for 10 seconds. (“SPL” flashes while indicating the split time.)
- Press button **(A)** while measurement is stopped to reset the chronograph.
- Pressing button **(A)** or **(B)** gives a beep to confirm the operation.
- The chronograph measures and displays time in 1/1000 second interval up to a maximum of 11 hours, 59 minutes and 59.999 seconds.
- If the chronograph has measured 12 hours, it returns to “00 minute 00 second 000” and stops.

### <Note>

- Battery life is shortened if you leave the chronograph running. Be sure to reset the chronograph to the initial status after using it.

## Using the dual time

<Normal dual time display>



1. Press button **M** repeatedly to change the mode mark to the dual time mode.
  2. Press and hold button **B** until the "hour" digit starts flashing.
  3. Press button **A** repeatedly to set the hour of the local time.
  4. Press button **B** to change the adjustable digit to "minute".
  5. Press button **A** repeatedly to set the minute of the local time.
  6. Press button **M** to return to the normal display.
- Another time (local time) different from the time set in the time mode can be set in this dual time mode.
  - In the correction mode, Analog 2 serves as rough indicator of the local time.

## Low battery warning function

As the battery approaches the end of its service life, a colon (:) will begin to flash on the digital display. In addition, the Analog 2 display changes to 2-second interval movement (the second hand moves once every 2 second) only when the Analog 2 displays seconds. When this happens, promptly replace the battery.

## Reset operation

Reset the watch and adjust its settings again after changing the battery or when abnormal actions occur. (Abnormal or no indication is shown on the digital display, alarm sound does not stop, etc.)

### <Reset procedure>

1. Press and hold buttons (A), (B), (C), and (M) simultaneously.
2. Release buttons (A), (B), (C), and (M).






The confirmation sound comes out and the reset operation is complete.  
After completion, adjust settings you need.

## Water resistance

### **WARNING** Water Resistance

- Refer to the watch dial and/or 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	—	Non-water resistant
Everyday-use water resistant watch	WATER RESIST	Water-resistant to 3 atmospheres
Upgraded everyday use water-resistant watch	W. R. 5 bar	Water-resistant to 5 atmospheres
	W. R. 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
<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>
<b>OK</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>
<b>OK</b>	<b>OK</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>
<b>OK</b>	<b>OK</b>	<b>OK</b>	<b>NO</b>	<b>NO</b>

## Water resistance

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- 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.



## 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 an authorized service center for inspection and/or repair.

## Precautionary items and usage limitations

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### **CAUTION** Precautions (continued)

- 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 bands and rubber (urethane) bands will deteriorate over time due to perspiration dirt. Because of the natural materials, leather band will be worn, deformed, and discolored over time. It is recommended 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.
- Do not stain a leather band with substances containing volatile materials, bleach, alcohol (including cosmetics). Discoloration and premature aging may be occurred. Ultraviolet light such as direct sunlight may cause discoloration or deformation.

- It is recommended to take off the watch if it gets wet, even if the watch itself is water-resistant.
- 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 recommend seeking the assistance of an experienced watch technician for sizing of your watch. If adjustment is not done correctly, the bracelet may unexpectedly become detached leading to loss of your watch or injury.  
Consult an authorized service center.

### <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

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### <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 that the watch may not indicate the correct time 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.

### <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 . Corrosion of the metal or accumulated foreign matter may result in black residue coming from the bracelet when exposed to moisture or perspiration. Be sure to keep your watch clean at all times.
- Be sure to periodically clean the bracelet and case of your watch to remove accumulated dirt and foreign matter. In rare circumstances, accumulated dirt, foreign matter may cause irritation with the skin. If you notice this, discontinue wearing the watch and consult your physician.
- Be sure to periodically clean foreign matter and accumulated materials from the metal band, synthetic rubber strap (polyurethane) and/or metal case using a soft brush and mild soap. Be careful not to allow moisture on the case if your watch is not water resistant.
- 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

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### Caring for Your Watch

- Wipe any dirt or moisture such as perspiration from the case and crystal with a soft cloth.
- For metallic, plastic or synthetic rubber (polyurethane) band, clean it with soap and a soft toothbrush. Be sure to thoroughly rinse the band after cleaning to remove any soap residue.
- 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.

### **CAUTION** Battery handling

- Do not dispose an old battery into a fire.
- Keep batteries out of reach of children.
- In the event a battery is swallowed, immediately consult a physician.
- Do not disassemble, modify, or heat the battery. Doing so may cause an accident.
- If a depleted battery is left in your watch, damage may be caused by leakage of battery fluid. Be sure to replace the battery promptly.
- Always be sure to select a battery of the correct specifications when replacing the battery.

### <About Luminous Paint>

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 will appear bright at first and then diminish 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

<b>Model</b>	8989	<b>Type</b>	Combination (analog and digital) quartz watch
<b>Accuracy</b>	Within $\pm 15$ seconds per month on average (when used in a normal temperature range of $+5^{\circ}\text{C}$ to $+35^{\circ}\text{C}/41^{\circ}\text{F}$ to $95^{\circ}\text{F}$ )		
<b>Operation temperature range</b>	$0^{\circ}\text{C}$ to $+55^{\circ}\text{C}/32^{\circ}\text{F}$ to $130^{\circ}\text{F}$		
<b>Display functions</b>	<b>Analog 1:</b> Hour, minute <b>Analog 2:</b> Second, rough indicator of alarm hour, local time hour and chronograph measured time (hour) <b>Digital:</b> <ul style="list-style-type: none"><li>• Time: Hour, minute, second</li><li>• Calendar: Day, date, temperature</li><li>• Alarm: Hour, minute, temperature memo</li><li>• Dual time: Local time (hour, minute, second)</li><li>• Chronograph: 12-hour clock (1/1000 second intervals), split time measurement</li></ul>		



<b>Battery</b>	Battery code: SR1120W
<b>Battery Life</b>	Approx. 2 years (assuming that the alarm tone is used 20 seconds per day, the chime sounds 24 times per day, and the lamp is used for 3 seconds per day)
<b>Additional functions</b>	Chime, lamp, temperature display, low battery warning

Specifications are subject to change without prior notice.

European Union directives conformance statement



Hereby, CITIZEN WATCH CO.,LTD. declares that this product is in compliance with the essential requirements and other relevant provisions of directive 2014/53/EU and all other relevant EU directives.

You can find your product's Declaration of Conformity at "<http://www.citizenwatch-global.com/>".

Model No.JG2 \*

Cal.8989

CTZ-B8213