

# 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.

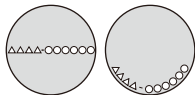
After reading the manual, store it in a safe place for future reference.

Visit the Citizen website (<http://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)



This manual contains instructions that should be strictly followed at all times not only for optimal use, but to prevent any injuries to yourself, other persons or property. We encourage you to read the entire booklet (especially, pages 40 to 51) and understand the meaning of the following symbols:

- 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

**Safety precautions (IMPORTANT)**

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

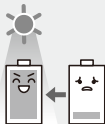
	Warning (caution) symbol followed by instructions that should be followed or precautions that should be observed.
	Warning (caution) symbol followed by prohibited matters.

## Before using this watch

After unpacking, the following must be done before using the watch:

### ■ **Checking the power reserve** ➡ **Page 17**

Check the charge level of the watch.



**This watch has a rechargeable cell which is charged by exposing the dial to light.**

Expose the dial to light regularly to charge the watch.  
For details of charging, see pages 13 to 17.

## ■ 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.

## ■ Band adjustment

We do not recommend attempting to adjust the watch band yourself. If not adjusted correctly, the band may become detached leading to an injury or loss of your watch. (Some retailers may supply a band adjustment tool with your purchase).

For band adjustment, we recommend you consult the retailer 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.

## Before using this watch





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### ■ How to use a specially designed crown/push button

Some models are equipped with a specially designed crown and/or push button to prevent accidental operation.

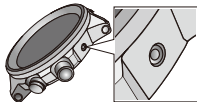
#### Screw down crown and screw down push button

Unlock the crown prior to operate your watch.

	Unlock	Lock
<b>Screw down crown</b>	 <p>Rotate the crown counterclockwise until it releases from the case.</p>	 <p>Push the crown in to the case. With gentle pressure towards the case, rotate the crown clockwise to secure it to the case. Be sure to tighten firmly.</p>
<b>Screw down push button</b>	 <p>Rotate the locking screw counterclockwise, and loosen until it stops</p>	 <p>Rotate the locking screw clockwise, and tighten firmly.</p>



## **Recessed buttons**



Press the button with a narrow-tipped object such as a wooden toothpick.

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## Features

This watch includes the following features:

### **Eco-drive**

No need for periodical changing of rechargeable cells. The watch is charged by light.

### **12 o'clock midnight sharp calendar update function**

The calendar updates as the clock strikes midnight (0:00:00).

### **Annual time accuracy: $\pm 10$ seconds**

This high-precision watch realized an annual time difference of about  $\pm 10$  seconds max.

### **Time difference correction function**

When you travel overseas, you can easily adjust your watch to the local time without having to stop the watch.

## **Perpetual calendar**

No need for date correction at the end of each month. The leap year is also updated automatically.

## **Antimagnetic performance**

The functionality of the watch will be maintained even when the watch is brought as close as up to 5 cm of the devices that emit magnetic fields in daily life.

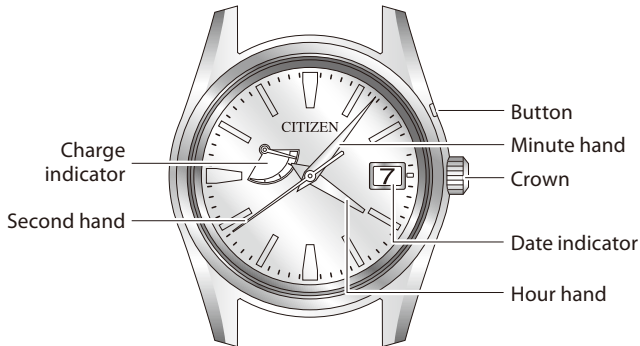
## **Shock detection function**

This function prevents the second, minute, and hour hands from becoming misaligned should the watch be subjected to shock.

## **Automatic hand position adjustment function**

The hand positions are checked at regular intervals. Any misalignment detected will be corrected immediately to keep accurate time.

## Component identification



- \* The illustrations may differ from the actual watch you have purchased.
- \* A solar cell is placed under the dial.

## Charging your watch

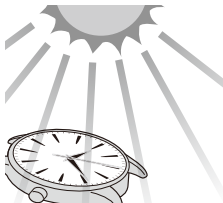
This watch has a rechargeable cell which is charged by exposing the dial to light, such as direct sunlight or fluorescent lamps.

After taking off the watch, put it in a location where the dial is exposed to bright light, such as by a window.

The watch can be charged effectively when the dial is exposed to sunlight as shown in the figure.

For optimal performance, be sure to:

- Charge the watch by exposing it to direct sunlight for five to six hours at least once a month.
- Avoid leaving the watch in a dark place for long periods of time.

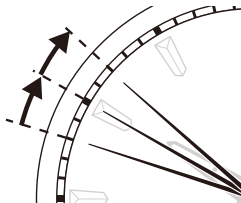


- If the watch is obscured from light by long sleeves frequently, supplemental charging may be needed to ensure continual operation.
- Do not charge the watch at high temperature (about 60°C/140°F or higher).

### ■ When the watch reaches a low charge state (insufficient charge warning function)

When the watch reaches a low charge state, the insufficient charge warning function kicks in, and the second hand begins to move in two-second increments (two-second mode). Charge the watch by exposing its dial to light.

- After some time of charging, the second hand will begin to move in one-second increments (normal mode).
- If the watch is left in two-second mode for three days or longer, the watch will run out of power and stop working.
- The time and date are indicated even during two-second mode.
- Make sure that the watch is charged and moving in one-second increments (normal mode) before setting or adjusting the watch.
- **While the insufficient charge warning function is active, the compensation mechanism to ensure timekeeping accuracy remains disabled. Promptly charge the watch.**





## ■ Charging time by environment

Below are the approximate times required for charging when exposing the watch dial to light continuously. Please use this table as a reference only.

Environment	Illuminance (lx)	Charging time (approx.)		
		To work for one day	To start working normally when the cell is discharged	To become fully charged when the cell is discharged
Outdoors (sunny)	100,000	4 minutes	40 minutes	30 hours
Outdoors (cloudy)	10,000	12 minutes	1.5 hours	45 hours
20 cm (7-7/8 inches) from a fluorescent lamp (30W)	3,000	40 minutes	3.5 hours	150 hours
Interior lighting	500	4 hours	19 hours	—

- When the battery is fully charged, the overcharge protection function stops the charging so that the watch performance and rechargeable cell are not adversely affected by overcharge.
- Your watch will run for approximately 7 months from a full charge or up to 1.5 years with the power save feature engaged (based on a full charge).
- After the second hand starts moving once every two seconds, it will last for approximately 3 days.

### ■ Power save feature

If you store the watch inside the case or other dark places where no light can reach the dial of the watch for seven consecutive days or longer, the watch will automatically stop at the 12 o'clock position to save battery power. In the meantime, the time is kept internally, whereas the date and power reserve indicators continue to work normally.





- The power save feature does not work while the crown is at Position **1** or Position **2**.
- The power save feature cannot be activated manually.

### ■ To cancel the power save feature

Once the dial of the watch is exposed to light and the battery begins to charge, power save mode will be cancelled, and the hands will move to point to the current time. Do not pull the crown out while the power save mode is being cancelled and the hour, minute, and second hands are moving to point to the current time. Pulling the crown out causes the hands to stop moving at that moment, preventing them from pointing correctly to the current time.

## ■ How to check the power reserve indicator

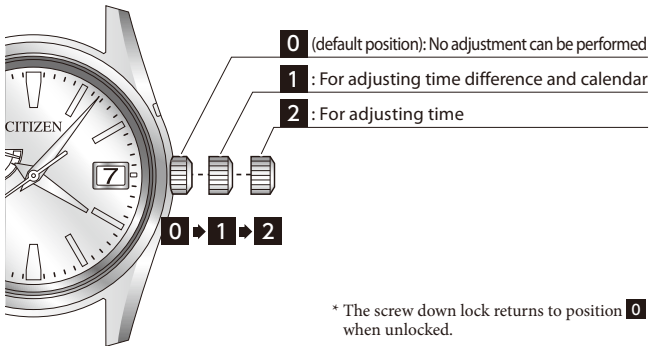
The hand position of the power reserve indicator shows the power reserve amount, as illustrated below.

Level	3	2	1	0
<b>Power reserve level</b>				
<b>Approximate duration of operation at each level</b>	Approx. 210 to 160 days	Approx. 160 to 100 days	Approx. 100 to 3 days	Approx. 3 days
	Power reserve is sufficient for all features and functions. Optimal performance is achieved at this level.	Power reserve is sufficient for all operations at this level.	Power reserve is getting low. The watch should be fully charged to ensure optimal performance.	Power reserve is not sufficient for normal operation. The watch must be fully charged.
The watch must be charged immediately.				

\*With the charge level 0, the compensation mechanism to ensure timekeeping accuracy is disabled. Charge the battery immediately.

## Crown position and operation

Pull the crown out to make necessary adjustments, as illustrated below.



# Adjusting the time

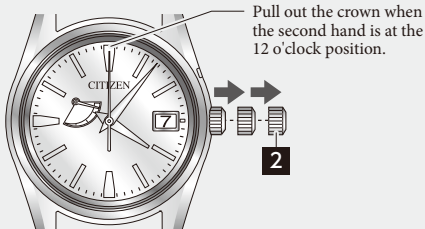
Adjust the time with the crown set in Position **2**.

\* If the second hand is moving in two-second increments (insufficient charge warning), charge the watch first.

1

**With the second hand at the 12 o'clock position, pull the crown out to Position **2**.**

- The second hand stops as the crown is pulled out.



## Adjusting the time

2

**Rotate the crown to set the time.**



- For more accurate adjustment, first put the minute hand forward by four to five minutes and then return it to the correct time.

- Accurately align the minute hand with the minute marker.
- The calendar will also be updated automatically.
- If the date changes as the minute hand is rolled forward to the 12 o'clock position, it means that the time is 12 : 00 a.m.. Make sure to set AM and PM correctly.
- Do not adjust time from 23 : 00 to 01 : 00. If you do, the date may not be updated properly.

3

**Return the crown to Position 0 to complete the setting.**

- Push in the crown to Position 0 by the accurate time information.

**(In case of a screw down crown, lock the crown.)**



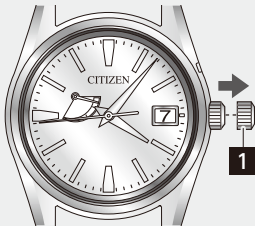
## Adjusting the calendar

Adjust the calendar (date/month/year) with the crown set in Position **1**.

\* If the second hand is moving in two-second increments (insufficient charge warning), charge the watch first.

**1**

**Pull the crown out to Position **1**.**



## Adjusting the calendar

2

### Rotate the crown to set the date.



- As you rotate the crown, the hour hand moves in one-hour increments.
- The hour hand is synchronized with the date. As the hour hand is moved past to the 12 o'clock midnight position, the date will be updated as well.
- Adjust the hour hand and date to the current date and time. Make sure to set AM and PM correctly.
- Rotate the crown until the hour hand is fully forwarded by an hour. **Forwarding the hour hand only half-way may cause incorrect motion.**

3

### Hold down the button for two seconds.

- The second hand moves to show the current month and year. For details on how to read the month and year, see page 24.





## Adjusting the calendar

4

**Press the button to adjust the month and year.**

- The second hand moves forward in one-minute marker increments with every pressing of the button.
- The second hand moves to show the current month and year. The year, in this case, corresponds to the number of years since leap year. For details on how to read the month and year, see the next page.



5

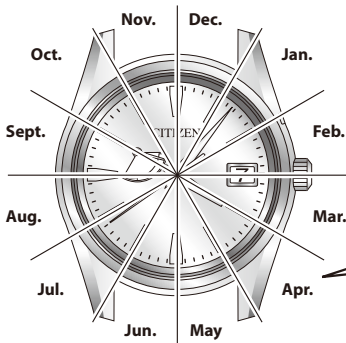
**Return the crown to Position 0 to complete the setting.**  
**(In case of a screw down crown, lock the crown.)**



## Month and leap year indications

The elapsed years from the most recent leap year and the month are indicated at the position of the second hand.

- The position of the second hand shows the month.
- The first three minute marks after the hour mark denote the number of years since a leap year.



### Example: April in the 2nd year since the leap year



Leap year

1st year since leap year

2nd year since leap year

3rd year since leap year

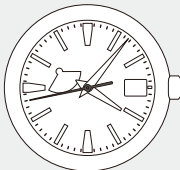
## Month and leap year indications

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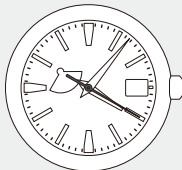
### Quick reference chart for number of years passed since leap year

Indication of the second hand	Passed year	Year
Hour marker	Leap year	2012, 2016, 2020
1st min. marker	1st year	2013, 2017, 2021
2nd min. marker	2nd year	2014, 2018, 2022
3rd min. marker	3rd year	2015, 2019, 2023

### Example:



The figure shows August in the 3rd year since the recent leap year.



The figure shows April in the leap year.

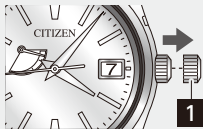
# Adjusting the time difference

When you travel overseas, you can easily adjust your watch to the local time without having to stop the watch. The adjustment can be made in one-hour increments/ decrements.

\* If the second hand is moving in two-second increments (insufficient charge warning), charge the watch first.

1

**Pull the crown out to Position 1.**



2

**Rotate the crown to correct the time difference.**



## Adjusting the time difference

- Rotate the crown to the right (clockwise) to move the hour hand in one-hour increments, or to the left (counterclockwise) to move the hour hand in onehour decrements.
- The hour hand is synchronized with the date. As the hour hand is moved forward to the 12 o'clock midnight position, the date will be updated as well.
- Adjust the hour hand to the local time. Make sure to set AM and PM correctly.
- Rotate the crown until the hour hand is fully forwarded by an hour. **Forwarding the hour hand only half-way may cause incorrect motion.**

3

**Return the crown to Position 0 to complete the setting. (In case of a screw down crown, lock the crown.)**



- To reset to the original time, rotate the hour hand in a direction opposite to the direction in which it was moved to correct the time difference.

# Checking the current reference position

## ■ What is the reference position?

The base position for all the hands to indicate the time and date. If the reference position is not at the correct position, the time and functions are not indicated correctly.



<b>Reference position</b>	Hour, minute, and second hands: 12 o'clock position
	Date: 1
	Power reserve indication: Level 3 (see page 17)



## ■ Checking the current reference position

If any of the hands are not aligned at the 12 o'clock position, or if the date indication is misaligned, check the reference position.

\* If the second hand is moving in two-second increments (insufficient charge warning), charge the watch first.

1

**Set the crown to Position 0.**



2

**Hold down the button (for approximately 5 seconds) until the charge hand begins to move.**

- All hands as well as the date indication moves to the reference position.
- Do not pull the crown out while checking the reference position. Doing so will result in misalignment in the current time indication.



While holding down the button with a narrow-tipped object, keep your eyes on the tip of the object.



## Checking the current reference position

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### 3

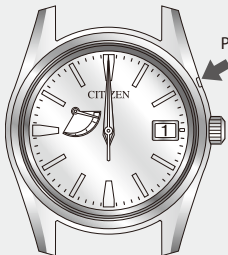
**Check if all hands and date are at the reference position.**



- If any of the hands or the date indication is off the reference position, a repair is needed.
- If the minute hand is slightly off the 12 o'clock position, it is possible that the second and minute hands have become slightly misaligned during the process of adjusting the time. Readjust the time and make sure that both hands are aligned correctly with the minute marker.

# 4

**Press the button to resume the current time indication.**



Press the button.

- Even if you do not press the button, the current time indication will resume automatically in two minutes.

## Timekeeping accuracy

This watch has 10-second accuracy per year.

### ■ To maintain 10-second accuracy per year

To maintain this timekeeping accuracy, you must use the watch at ambient temperature (between +5°C and +40°C) and carry it with you approximately 12 hours a day.

Please bear in mind that, if the watch is used under any other conditions, the accuracy may be compromised.

While the insufficient charge warning function is active, the compensation mechanism to ensure timekeeping accuracy remains disabled. Keep the watch charged at all times.

## ■ Accuracy per month

Accuracy per month does not necessarily correspond to  $\pm 10 \text{ second} \times 1/12$ . Depending on the usage environment (temperature change (seasonal change), the duration for which it is carried, etc.), the accuracy may turn out to be  $\pm 3$  to 5 seconds per month.

# Troubleshooting

If you have a problem with your watch, check the table below.

## ■ The hands do not work properly

Symptoms	Remedies	Page
The second hand moves in two-second increments.	Charge the watch.	13 to 15
All hands stop moving.	Set the crown to Position <b>0</b> .	—
	Charge your watch by exposing it to direct sunlight until the second hand begins to move in one-second increments.	13 to 15
The hands start turning rapidly as you take the watch out of the case.	The power save mode has been cancelled. Wait until the hands point to the current time.	16

## ■ The time and/or date is not correct

Symptoms	Remedies	Page
The time and/or date is wrong.	Check the reference position.	30 to 33
	Adjust the date and time.	19 to 23
The date changes at around 12:00 p.m.	Adjust the time by 12 hours.	19, 20

## ■ Others

Symptoms	Remedies	Page
The watch stops working immediately after it has been fully charged.	Charge the watch by exposing it to direct sunlight for five to six hours. If the problem still persists, contact the shop where you made the purchase, or your nearest Authorized Citizen Service Center listed in your warranty booklet.	13

## Troubleshooting

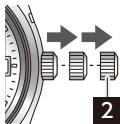
### ■ All Reset

When the watch does not work properly, you can reset all the settings.

- \* Make sure to charge the watch before performing all reset.
- \* **If you perform all reset, all information will be deleted. Do not perform all reset unless absolutely necessary.**

1

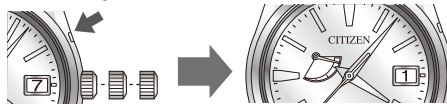
**Pull the crown out to Position 2.**



2

**Hold down the button for 10 seconds, then release it.**

- The power reserve indicator will move to indicate the fully charged status, and the date indicator will move to indicate "1". Subsequently, the power reserve indicator will show the current charge level, and the watch is reset.

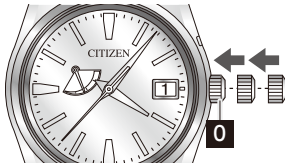




# 3

## Return the crown to Position 0.

- Normal hand movement resumes from the reset status.



If you perform all reset, the watch setting is updated as follows:

- Calendar: January 1 (leap year)
- Time: AM time indicated by the hour, minute, and second hands

# 4

## Adjust the time and calendar.

- After the reset procedure, the watch resets itself to the AM time of January 1 (leap year). Make sure to check the calendar and time and adjust them to the correct date and time. See page 19 to 23.

## **Eco-Drive (solar powered) watch handling precautions**

### **<Always Make Sure to Recharge Frequently>**

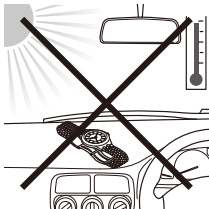
- Please note that if you wear long sleeves, the watch may stop as a result of being covered by your sleeve and blocked from the light.
- When you take off the watch, try to place it in as bright a location as possible. This will ensure optimal operation.

### **CAUTION** Recharging Precautions

- Do not charge the watch at a high temperature (about 60°C/140°F or higher) as doing so may cause the movement to malfunction.

#### Examples:

- Charging the watch too close to a light source which generates a large amount of heat such as an incandescent lamp or halogen lamp.
  - \* When charging under an incandescent lamp, be sure to leave 50 cm (19-11/16 inch) or more between the lamp and the watch to avoid exposing the watch to excessive heat.
- Charging the watch in a location where the temperature may become extremely high such as on the dashboard of a vehicle.



## Eco-Drive (solar powered) watch handling precautions

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### <Replacement of Rechargeable Cell>

- This watch utilizes a special rechargeable cell that does not require regular replacement. However power consumption may increase after using the watch for a number of years due to wear of internal components and deterioration of oils. This may cause stored power to be depleted at a faster rate. For optimal performance, we recommend having your watch inspected (chargeable to the owner) by an Authorized Service center to ensure operation is within factory specifications.

### **WARNING**    Handling of Rechargeable Cell

- The rechargeable cell should never be removed from the watch.  
If for any reason it becomes necessary to remove the rechargeable cell from the watch, keep out of the reach of children to prevent accidental swallowing.  
If the rechargeable cell is accidentally swallowed, consult a doctor immediately.
- Do not dispose of the rechargeable cell with ordinary garbage. Please follow the instructions of your municipality regarding collection of batteries to prevent the risk of fire or environmental contamination.



### **WARNING** Use Only the Specified Battery

- Never use a battery other than the rechargeable cell specified for use in this watch.  
Although the watch structure is designed so that it will not operate when another type of battery is installed, if a silver battery or other type of battery is installed in the watch and the watch is recharged, there is the risk of overcharging which may cause the battery to rupture. This can cause damage to the watch and injury to the wearer.  
When replacing the rechargeable cell, always make sure to use the designated rechargeable cell.

# Water resistance








## **WARNING** 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.
- 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.

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 resistance

- 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-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

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- 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

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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 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

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### <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

<b>Model</b>	A080	<b>Type</b>	Analog solar-powered watch
<b>Timekeeping accuracy</b>	Within $\pm 10$ seconds per year when worn at normal operation temperatures (between $+5^{\circ}\text{C}$ and $+40^{\circ}\text{C}$ )		
<b>Operating temperature range</b>	$-10^{\circ}\text{C}$ to $+60^{\circ}\text{C}$		
<b>Display functions</b>	Time: hours, minutes, seconds / Calendar: date / Charge level		
<b>Continuous operation times</b>	<ul style="list-style-type: none"> <li>Fully charged to fully discharged: Approximately 1.5 years (with power save feature) Approximately 7 months (at normal operation)</li> <li>Power reserve upon insufficient charge warning function: Approximately 3 days</li> </ul>		
<b>Battery</b>	Rechargeable cell (lithium button cell), 1pc.		

**Additional functions**

- 12 o'clock midnight sharp calendar update function
- Power reserve indication
- Overcharging prevention function
- Insufficient charge warning function (2-second interval movement)
- Energy saving function (power save feature)
- Perpetual calendar (until February 28th, 2100)
- Antimagnetic performance
- Shock detection function
- Automatic hand position adjustment function
- Time difference correction function

\* They are subject to change without notice for improvement.

Model No.AQ3\*

Cal.A080

CTZ-B8165