

CITIZEN®

取扱説明書

■十分に光を当てて充電してからご使用ください■

ご使用中に時計の秒針がCHARGEを指したら、充電不足をお知らせしています。特に冬場は衣類などで時計が隠れ、光が当たりにくくなりますので、月に一度は直射日光に当てて充電してください。快適にご使用いただくためには、常に充電を心がけてご使用いただくことをおすすめいたします。

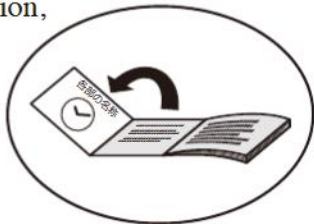


■Please fully charge your watch before use by exposing it to light■

If the second hand of the watch points to the CHARGE position during use, this means that the watch is insufficiently charged. Since the watch may be covered by clothing and so forth particularly during the winter preventing it from being exposed to light, charge the watch once a month by exposing to direct sunlight. In order to ensure that the watch is used comfortably, it is recommended to try to keep the watch charged at all times.

この取扱説明書をお読みになるときは、
左の「各部の名称」のページを開いて、
時計のイラストを見ながら操作を行なってください。

When reading this instruction,
open the foldout page
“Names of Components”
on the left to show the
illustration of this watch.



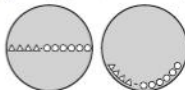
Thank you for your purchase of this Citizen watch.
Before using the watch, read this instruction manual carefully to ensure correct use.
After reading the manual, store it in a safe place for future reference.

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 the following instructions that should be strictly followed at all times to prevent injury to yourself and other persons as well as damage to property.

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

 DANGER	Highly likely to cause death or serious injury
 WARNING	Can cause serious injury or death
 CAUTION	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.

- **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 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 Citizen Service Center.

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About Eco-Drive Watches

- This Eco-Drive watch features a solar panel under the dial and is powered by converting solar energy into electrical energy.
- This watch also features functions such as a perpetual calendar (which automatically adjusts the date at month ends and leap years) a daily alarm (that can be set according to a 24-hour system), and a chronograph (capable of measuring up to 59 minutes, 59.95 seconds, in 1/20 second units).

- **Periodically expose the watch dial to daylight**

This watch uses a rechargeable cell to store electrical energy. This is an environmentally clean cell that does not use any harmful substances such as mercury.

Once the rechargeable cell is fully charged, (and the power saving feature is operative) the watch will function for approximately 2 years without additional exposure to light.

- **For optimal performance**

For optimal performance, perform the following:

- Expose the watch with the dial facing towards 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.

- When the watch is regularly covered with long sleeves, it may not be charged sufficiently. Try to keep the watch exposed to light sufficient for charging.
- Do not charge the watch at a high temperature (about 60°C or higher).

Guide to Charging Time

Below are the approximate times needed 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	2 minutes	1 hour	6 hours
Outdoors (cloudy)	10,000	11 minutes	4 hours	45 hours
20 cm from a fluorescent lamp (30W)	3,000	35 minutes	13 hours	150 hours
Interior lighting	500	3.5 hours	80 hours	—



*To charge the rechargeable cell fully, it is recommended to expose the dial to direct sunlight. A fluorescent lamp or interior lighting does not have sufficient illumination to charge the rechargeable cell fully.

• How to use a specially designed crown

Some models are equipped with a specially designed crown to prevent accidental operation.

Screw down crown

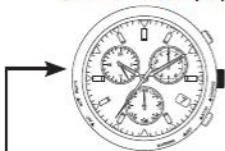
Unlock the crown prior to operate your watch.

	Unlock	Lock
Screw down crown	 Rotate the crown counterclockwise until it releases from the case.	 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.

If the watch becomes insufficiently charged, the second hand will automatically move to the low charge warning, informing you of a “Charge warning” and “Time setting warning”.

Always take care to charge your watch so that the charge does not become insufficient.

[Normal time display]



If watch becomes insufficiently charged

As the watch recharges

If the second hand points to the SET position, it indicates that the time must be set. Set the correct time. (Refer to “2. Setting the Time and Calendar”.)

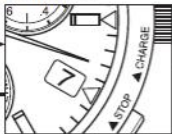
Note: Normal time display will not be restored unless the time is set. (Refer to “Setting the Time and Calendar”.)

[If the charge becomes insufficient during normal time display]

If the charge becomes insufficient, quickly charge the watch to restore normal operations (normal time display).

[Insufficient charge warning]

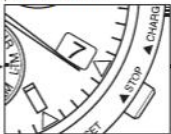
The second hand points to **CHARGE**.



When the watch is left without charging

[Stopped status]

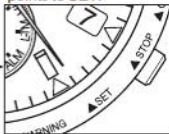
The second hand points to **STOP**.



When charging the watch by subjecting it to light, the second hand will move from the STOP position to the SET position.

[Time setting warning display]

The second hand points to **SET**.



Note: Continue to subject the watch to light until the second hand moves to the "SET" position (approximately 30 minutes or more).

<Low Power Warning>

Regardless what mode the watch is in, if the power becomes very low, the watch will switch to the time display and the second hand will move to the 'CHARGE' position indicating that recharging is necessary.

After the second hand has moved to the 'CHARGE' position, the watch will switch to display the time in the following sequence, 24-hour hand, hour hand, minute hand, date (function hand).

Although the watch is functioning properly in this low charge state, it will stop within approximately 11 days (approximately 2 days if the display switches from charge warning operations to time change movement).

Restore the 1-second interval movement of the second hand by exposing the watch to light sufficient for charging.



If the watch stops due to insufficient charge, be sure to fully charge it, perform the all reset and 0-positioning procedure and then re-set the time as well as the calendar.

Note, during low power:

- The chronograph will stop, even during measurement, and reset.
- The time set for local time (time difference) is maintained.
- The alarm sound will not be emitted even if the alarm has been set.
- Crown (changing modes) and button operations will not function.

<Time setting warning function>

As the watch is exposed to light sufficient for charging and begins re-charging after it has stopped, the second hand will move to the "SET" position, informing you that the time is incorrect and must be set.

Although movement of the 24-hour hand, hour hand, and minute hand will start after the second hand has moved to the "SET" position, the time and calendar must be set after the watch has fully charged.

Note: When the time setting warning function is enabled.

- Crown and button operations other than those used to set the time and calendar will not function.
- The time setting warning function is cancelled when the crown is pulled out to position 2 (time correction position) while in time/calendar mode. The second hand will stop at the SET position unless the time is set after pulling the crown out to position 2.
- If the watch has stopped due to an insufficient charge, expose the watch to light sufficient for charging until the display switches to the time setting warning indication (SET position) (30 minutes or more).



<Overcharging prevention function>

Once the rechargeable cell is fully charged, an overcharging prevention function will activate so that it is not charged any further.

<Power saving function>

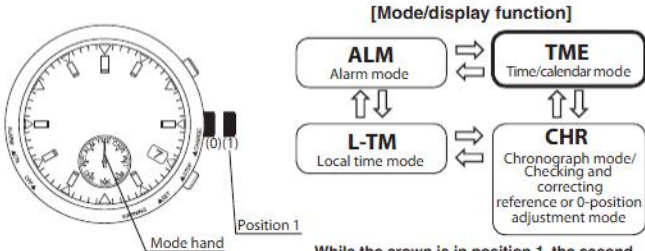
If the watch is not exposed to light sufficient for charging and in the time/calendar mode (TME) or local time mode (L-TM), the second hand will move to the 0-position and stop, and the watch will enter power saving mode to reduce power consumption.

Even though the second hand stops, the 24-hour hand, hour hand, and minute hand will continue to keep the correct time. Also, the calendar will continue to update according to the movement of the 24-hour hand, hour hand, and minute hand.

- The Second Hand will start moving again once the watch is subjected to light sufficient for charging. However, if the watch is in insufficient charge warning mode, the second hand will stop at the CHARGE position. If the watch is in time setting warning mode, the second hand will stop at the SET position. If the watch is stopped, the second hand will stop at the STOP position.

1. Switching the Mode (Display Function)

This watch has four modes: time / calendar, chronograph, local time, and alarm. The mode can be switched by turning the crown while in position 1. Use the mode hand to check the current mode.



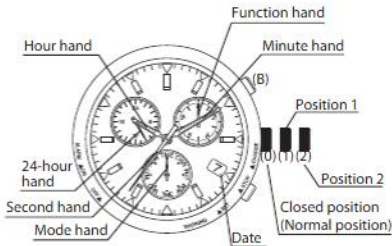
While the crown is in position 1, the second hand points to the 30 seconds position.

2. Setting the Time and Calendar

Once the calendar is adjusted, a perpetual calendar capable of automatically changing the year, month, and date, including leap years (until February 28, 2100) begins operating.

[Setting the Time]

1. Pull the crown out one step to position 1. Rotate the crown to align the mode hand with time/calendar [TME] as indicated on the mode sub dial.



2. Pull the crown out two steps to position 2 (time adjustment position) and press the upper right button (B).
 - The second hand will rapidly advance to the 0-second position and stop.

Note

- Each time the upper right button (B) is pressed, the adjustment location (hand/date) moves.
 - If the second hand does not stop at the 0-second position, be sure to perform reference or 0-position correction in the reference or 0-position correction mode.
3. Rotate the crown to adjust the time.
 - (1) Rotate the crown to the right (clockwise) 1 'click' to move the 24-hour hand, hour hand and minute hand clockwise.
 - (2) Rotate the crown to the left (counterclockwise) by 1 'click' to move the 24-hour hand, hour hand and minute hand counterclockwise.
- Rotate the crown 2 or more 'clicks' consecutively to advance the hands rapidly. Rotate the crown to the left or right to stop rapid advance.

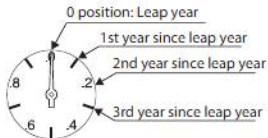
[Setting the Calendar]

4. Press and release the upper right button (B) to correct the year (number of years elapsed since the last leap year).

Rotate the crown and align the function hand with the position corresponding to the year (number of years elapsed since the last leap year).

* Year indication/function hand position *

Leap year	: 0 minute position
1st year since leap year	: 6 minute position
2nd year since leap year	: 12 minute position
3rd year since leap year	: 18 minute position



Quick reference guide for years elapsed since leap year

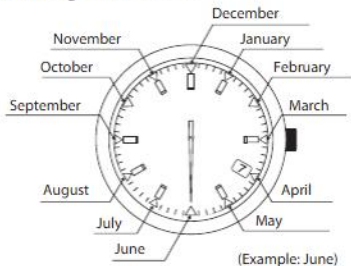
Year	Years elapsed
Leap year	2016、 2020、 2024
1st year	2017、 2021、 2025
2nd year	2014、 2018、 2022
3rd year	2015、 2019、 2023

5. To adjust the month:

- Press and release the upper right button (B). The second hand will move slightly indicating the month of year is ready to be set.
- Rotate the crown to the right (clockwise) to align the second hand with the position corresponding to the month. Month correction can be made only by rotating the crown to the right (clockwise).

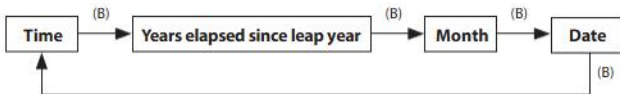
***Month indication /
second hand position ***

January	: 1:00 position
February	: 2:00 position
March	: 3:00 position
⋮	
December	: 12:00 position



6. Press the upper right button (B) to adjust the date.
 - Rotate the crown to the right (clockwise) 1 'click' to rotate the function hand 4 revolutions and advance the date by 1 day.
 - Rotate the crown 2 or more clicks consecutively to continuously advance the date. Rotate the crown to the left or right to stop continuous advance.
7. After adjusting the date, return the crown to its normal position. This completes time/calendar adjustment.

The adjustment mode switches each time the upper right button (B) is pressed when the crown is pulled out to position 2.



- Each time the upper right button (B) is pressed, demonstration is performed to indicate the adjustment location.

3.Using the Chronograph

The chronograph can measure times up to 59 minutes, 59.95 seconds in units of 1/20 (0.05) second. After this time is reached, the chronograph resets to 0 and automatically stops.

[Hand Display During Chronograph Measurement]

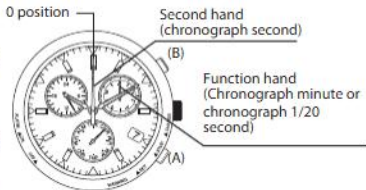
Align the mode hand with chronograph [CHR] as indicated on the mode sub dial. The second and function hands will rapidly advance to the 0 position and the watch will enter chronograph mode.

•**Second hand:** Changes to a chronograph second hand.

The second hand rapidly moves 1 revolution when starting from 0 second position, and then advances in 1-second intervals to indicate chronograph second.

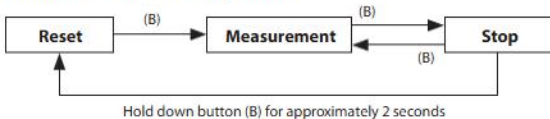
•**Function hand:** Changes to indicate chronograph minute or units of 1/20 second.

This hand advances in 1-minute intervals to indicate chronograph minute. Press the lower right button (A) while the chronograph is stopped to switch to the 1/20 second display while the button is pressed.



[Chronograph Measurement]

1. With the crown one step out in position 1, rotate the crown to align the mode hand to chronograph [CHR] mode as indicated on the mode sub dial. Return the crown to the normal position to complete the adjustment.
2. Press and release the upper right button (B) to start and stop measurement. Each time the upper right button (B) is pressed a confirmation sound is emitted.
3. Pressing and holding the upper right button (B) for approximately 2-seconds while the chronograph is stopped will reset the chronograph second and minute to the 0 position.



Note

Always reset the chronograph after measurement has ended as this reduces consumption of energy.

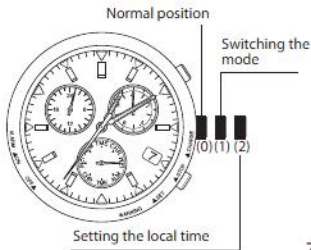
4. Setting the Local (Secondary) Time

Local time is a function that can be used to set the time for another region separately from the current time.

Local time can be adjusted as a time difference in units of hours, taking the current time (time mode/TME) as a reference. The minutes and seconds cannot be altered and will match the current time set in TME mode.

[Adjusting the Time Difference]

1. With the crown pulled out one step to position 1, rotate the crown to align the mode hand to local time [L-TM] mode as indicated on the mode sub dial.
2. Pull the crown out two 'steps' to position 2 (local time adjustment position).



3. Rotate the crown to the left (counterclockwise) or right (clockwise) to adjust the desired time difference (hours only).

- Rotate the crown to the right (clockwise) 1 'click' to move the hour hand, minute hand, 24 hour hand clockwise by 1 hour.
- Rotate the crown to the left (counterclockwise) 1 'click' to move the hour hand, minute hand, 24 hour hand counterclockwise by 1 hour.
- Quickly rotate the crown 2 or more clicks consecutively to advance the hour hand, minute hand, 24 hour hand rapidly. Rotate the crown to the left or right 1 'click' to stop rapid advancement.

A time difference of up to +/-27 hours can be set versus the current time.

- Make sure to correctly set the time difference in terms of AM/PM, using the 24-hour hand as a guide.

Note

- The date will adjust automatically by 1 day when the hour hand passes 12:00 midnight.
- Return the hour hand in the opposite direction of the setting to restore the time difference to original status.

4. After local time has been set, return the crown two steps to its normal position to complete the setting.

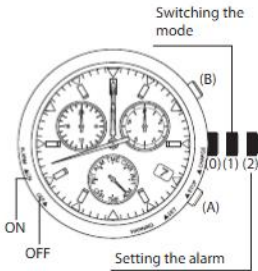
5. Using the Alarm

The alarm uses the 24-hour system. Once set, an alarm sound will be emitted for 15 seconds once every day at the set time.

The alarm is emitted according to the time in time (TME) mode. It cannot be set for local time (L-TM).

[Setting the Alarm Time]

1. Rotate the crown while in position 1 to align the mode hand with alarm [ALM] mode as indicated on the mode sub dial. The hands will move to the following positions:
 - Second hand: Points to the 30-second position.
 - 24-hour hand, hour hand, minute hand: Will move to indicate the time at which the alarm is set.
2. Pull the crown out two steps to position 2.
 - The alarm setting is automatically turned ON.



3. Rotate the crown to adjust the time to when the alarm should sound.
 - (1) Rotate the crown to the right (clockwise) 1 click to move the hour hand and minute hand clockwise.
 - (2) Rotate the crown to the left 1 'click' to move the hour hand and minute hand counterclockwise.
 - Quickly Rotate the crown 2 or more clicks consecutively to advance the hands rapidly. Rotate the crown to the left or right by 1 click to stop rapid advance.

Note

- Make sure to correctly set the alarm time in terms of AM/PM, using the 24-hour hand as a guide.
4. After the alarm time has been set, return the crown two steps to its normal position. This completes setting the alarm.

[Turning the Alarm ON/OFF]

Press and release the upper right button (B) in alarm mode while the crown is in position 2 turns the alarm ON/OFF each time the upper right button (B) is pressed.

[Alarm Sound Check]

Press and hold the upper right button (B) in alarm mode while the crown is in its normal position emits the alarm sound while the button is pressed.

[Stopping the Alarm Sound]

The alarm is emitted for 15 seconds when the crown is in its normal position. Press and release either the upper or lower right button (A) or (B) to stop the alarm sound.

6. Checking and Correcting the Reference or 0-Position of Each Hand

Before using this watch, be sure to check that the functions of the watch all operate correctly.

What is a Reference or 0-Position?

The term “reference or 0-position” refers to those hand and date positions used as a datum point for the correct operation of the watch.

[Checking the Reference or 0-Position]

1. With the crown pulled out one step to position 1, rotate the crown to align the mode hand with chronograph [CHR] mode as indicated on the mode subdial.
2. The 24-hour hand, hour hand, minute hand, second hand, function hand, and date will rapidly advance and then stop at the reference position recorded in the watch memory.
3. Confirm that they are showing the correct reference or 0-positions.

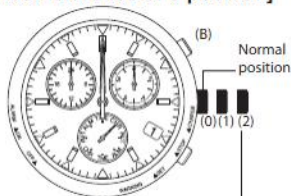
Correct reference or 0-positions for each hand and the date

Correct reference or 0-positions are given below.

24-hour hand	: 0:00
Hour hand, minute hand	: 0:00
Second hand	: 00 seconds
Function hand	: 0 position (12:00 position)
Date	: 1st

If any of the hands or the date shows a reference or 0-position other than given above, perform the procedure given in “Correcting the Reference or 0-Position” (See next page).

[Correct reference or 0-position]



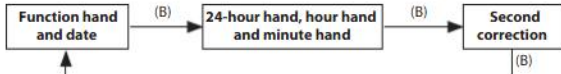
Correcting the Reference or 0-Position

[Correcting the Reference or 0-Position]

<Correcting Reference or 0-Positions of the Function Hand and Date>

1. In chronograph [CHR] mode, pull the crown out two steps to position 2 and hold down button (B) for 2 or more seconds to correct the reference or 0-positions of the function hand and date.
2. Rotate the crown to the left or right to adjust the date.
 - (1) The function hand moves 1 step at a time for each click of the crown.
 - (2) Quickly Rotate the crown 2 or more clicks consecutively to move the function hand 4 revolutions and advance the date by 1 day. Rotate the crown to the left or right by 1 click to stop rapid advance.
 - The correct reference or 0-position for the function hand is the 12:00 position immediately after it changes 31 to "1", while that for the date is the position immediately after it changes to "1". After setting the date to "1", Rotate the crown 1 click to adjust so that the function hand points to the 12:00 position.

The correction mode changes each time the upper right button (B) is pressed while the crown is pulled out two steps to position 2 in chronograph [CHR] mode.



<Correcting the Reference or 0-Positions of the 24-hour Hand, Hour Hand and Minute Hand>

1. Press and release the upper right button button (B) to correct the reference or 0-positions of the 24-hour hand, hour hand and minute hand.
2. Rotate the crown one click at a time to adjust the 24-hour hand, hour hand and minute hand.
 - (1) Rotate the crown to the right 1 click to move the hour hand and minute hand clockwise.
 - (2) Rotate the crown to the left (counterclockwise) 1 click to move the hour hand and minute hand counterclockwise.
 - Quickly rotate the crown 2 or more clicks consecutively to advance the hands rapidly. Rotate the crown to the left or right by 1 click to stop rapid advance.

<Correcting the Reference or 0-Position of the Second Hand>

- Press and release the upper right button (B) to correct the reference or 0-position of the second hand.
 - (1) Rotate the crown to the right 1 'click' to move the second hand 1 step at a time.
 - (2) Quickly rotate the crown 2 or more 'clicks' consecutively to advance the second hand rapidly. Rotate the crown 1 'click' at a time to adjust so the second hand stops just before the 12:00 position.
 - Return the crown to its normal position to complete the correction.

Note : The second hand cannot be moved in the reverse direction.

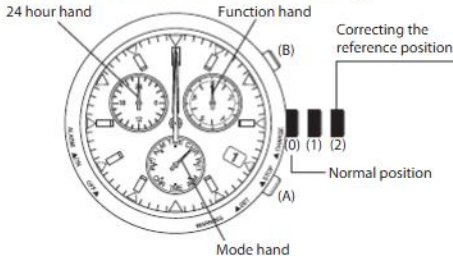
- When the crown is pushed into the normal position, the reference or 0-position correction is complete.
- After setting the reference position, adjust each mode for the correct time and date before using the watch.

7. All-Reset Operation

If subjected to static electricity or strong shock, the watch may cease to operate correctly.

In such cases, perform the all-reset and adjust the reference or 0-positions.

[Correct reference or 0-position]



Before executing the all-reset, first check that the watch is fully charged and that the second hand is moving in 1-second intervals.

If the all-reset is executed while the watch is insufficiently charged, subsequent operations will become impossible and the watch will completely stop.

1. Rotate the crown while in position 1 to align the mode hand with chronograph [CHR] mode.
2. Pull the crown out two steps to position 2 (reference or 0-position correction mode).
 - Each hand and the date will move to their recorded reference or 0-positions and then stop.
3. Simultaneously press and hold both the upper and lower right buttons (A) and (B) for approximately 2 seconds, then release.
 - A confirmation sound will be emitted, and then a hand movement demonstration will be performed in order of second hand, hour hand/minute hand/24-hour hand, and function hand/date to indicate that the all-reset has completed.
4. Press the crown into its normal position and the All Reset setting is finished.

Note

After the all-reset, always correct the reference or 0-positions for each hand. Then correctly adjust each mode before using the watch.

Eco-Drive 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 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 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.



<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.

Precautionary Items and Usage Limitations



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 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

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.
- 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.
- 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 your nearest authorized Citizen 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.

<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 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.

<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.

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.

Warranty and Service

<Free Guarantee>

In the case a malfunction has occurred during the course of normal use while the watch is still under warranty, the watch will be repaired free of charge in accordance with the conditions of the warranty included with this manual.

<Stock Period of Repair Parts>

Our standard period for stocking repair parts for each model is generally seven years. When an exterior part such as the watch case, glass, dial, hand, crown or band is damaged, a spare part with different appearance may sometimes be used.

<Repair Period>

Repairs can be performed on your watch within the repair parts stock period even after the free guarantee has expired. However, you will be charged for these repairs. Please take the watch to the shop where you purchased it and ask whether it can be repaired because the repair period varies according to the conditions of use, environment and so forth. Moreover, there are cases in which it is difficult to restore the watch to its original accuracy when decreased accuracy has resulted from long-term use.

<Change of Address or Receiving as a Gift>

In the event that you have moved or have received your watch as a gift, and are not able to bring your watch to the shop where it was purchased for serving, please consult Customer Support Center.

<Periodic Inspection (Charge Basis)>

• Water resistance

As the water resistance will be reduced over time, you should have your watch inspected and its water resistance verified every 2-3 years (charge basis) to extend its life and ensure safety. To maintain its water resistance, it is recommended to request us to replace the packings and other parts of your watch.

• Disassembling for internal cleaning (repair)

You should have your watch disassembled and its internal components cleaned periodically to extend its life. Lubrication oils are used to reduce wearing of moving parts such as gears. However, over time the lubrication oils will degrade and wear will increase, eventually resulting in malfunction. Please have your watch undergo internal cleaning once every 5 years as a guide.

<Other Inquiries>

If you have any questions regarding the way warranty, repairs or other matters, please inquire at the shop where you purchased your watch or Customer Support Center.

Specifications

Cal. No. : E820

Type : Analogue solar powered watch

Time accuracy:

Average monthly deviation : ± 15 seconds When used in normal temperature
($+5^{\circ}\text{C}$ to $+35^{\circ}\text{C}$)

Acceptable temperature range : -10°C to $+60^{\circ}\text{C}$

Display functions

Time : 24-hour, hour, minute and second

Calendar : Perpetual calendar (until February 28, 2100)

Date display

Second hand-based month display

Function hand-based year display (number of years elapsed since leap year)

Chronograph : 60 minutes, in units of $1/20$ second, with Automatic stop function

Local time : Time difference correction in units of 1 hour

Alarm : 24-hour system

Second hand stop function: Position 2

Reference position check: Correction function

Function hand: Mode hand = display function

Additional functions : Solar power function

Power saving function

Alarm monitor, alarm ON/OFF

Insufficient charge warning function

Time setting warning function

Overcharging prevention function

Duration of continuous operation :

Time until stop from fully charged status :

- Approx.2 years (When the power saving function is activating)
- Approx.8 months (When the power saving function is active for 7.5 hours a day)

Time until stop from activation of insufficient charge warning function:

Approx. 11 days

Battery : Rechargeable cell (lithium button cell), 1pc

* Specifications are subject to change without prior notice.

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<http://citizen.jp/>

Cal.E820