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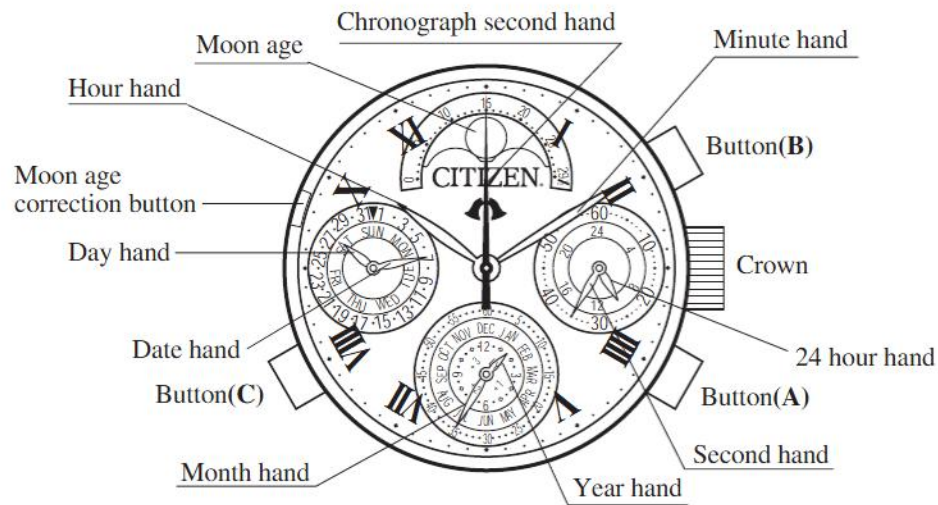
## 1. Main Features

This watch is a multi-hand analog quartz watch equipped with numerous functions including a chime function using an electronic tone, fully automatic calendar function, which corrects the date for each month including leap years, and a chronograph function that is able to measure time for up to 12 hours.

### Notice

All repairs performed on this watch are to be performed at the CITIZEN. When desiring to have your watch repaired or inspected, please contact the Citizen Service Center either directly or through the store where you purchased your watch. Proper maintenance can only be received in the country where your watch was purchased.

## 2. Names of Components



The design may differ according to the model.

## (Functions of Each Hand)

Hand	Display	Time/calendar	Chronograph
Hour hand		Continuously indicates hours	
Minute hand		Continuously indicates minutes	
Second hand		Continuously indicates seconds	
24 hour hand		Continuously indicates the 24 hour clock	
Chronograph second hand			Chronograph seconds
Date hand		Continuously indicates the date	
Day hand		Continuously indicates the day	
Month hand		Month or minutes (when chiming)	Chronograph minutes
Year hand		Year or hours (when chiming)	Chronograph hours

### (Functions of Each Button)

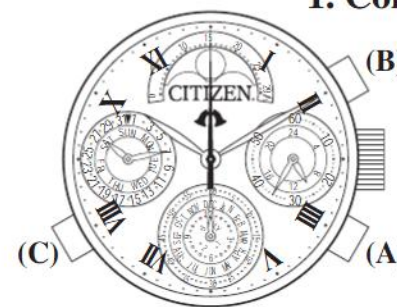
Crown position Display	Normal position		1st position	2nd position
	Time/calendar	Chronograph	Setting the calendar	Setting the time
Button(A)	_____	Zero position check Split Reset	Yearly/Monthly correction: Clockwise direction	Setting of chime: Clockwise direction
Button(B)	Chime	Start/Stop	Yearly/Monthly correction: Counter- clockwise direction	Setting of chime: Counter-clockwise direction
Button(C)	To chronograph display	To time/calendar	Date correction	_____
Crown	_____	_____	_____	Setting of hour, minute, 24 hour clock and day
Moon age correction button	Moon age correction (can be performed at any time regardless of crown position)			

### 3. Before Use

Before using this watch, please check the reference positions of each hand using the following procedure to ensure that each function operates properly.

Reference position: The initial position of each hand to ensure that this watch functions properly.

#### 1. Confirmation of Reference Position



- (1) Put the crown in the normal position.
- \* Press button(C) for at least 2 seconds to switch to the chronograph display. Check that the hands are at the positions indicated below.  
Chronograph second hand : 00.00 seconds  
Year and month hands: 00:00 (12:00 position)
  - \* Press button(A) for at least 2 seconds and check that the date hand is at the position indicated below.  
Date hand: ▼(Between 31 and 1)

(2) Once you have confirmed that the hands are at the reference position, press button(C) for at least 2 seconds to return the watch to the time and calendar display.

\* If the hands are not at the reference position, set the reference position of each hand by following the procedure described in “4. Setting the Reference Position” on the following page.

## 4. Setting the Reference Position

The hands of the watch will not indicate the correct positions unless the reference position is set properly. If the reference position has changed, reset it by following the procedure described below.

\* The reference position must also be reset after the battery has been replaced.

### 1. Perform the All-Reset procedure



- (1) Pull out the crown to the 2nd position.
- (2) Press buttons(A),(B) and (C) simultaneously.
- (3) When the buttons are released, the hands will move in the order of the chronograph second hand, date hand, and year and month hands. A tone will sound confirming that All-Reset has been performed when this procedure is completed.

If the crown is returned to the normal or 1st position without setting the reference position after performing the All-Reset procedure, the reference position failure alarm will be activated. At this time, the date hand will turn counter-clockwise indicating that the reference position has not been set. When this happens, pull out the crown to the 2nd position again, and perform the procedure for setting the reference position.

## 2. Setting the Reference Position



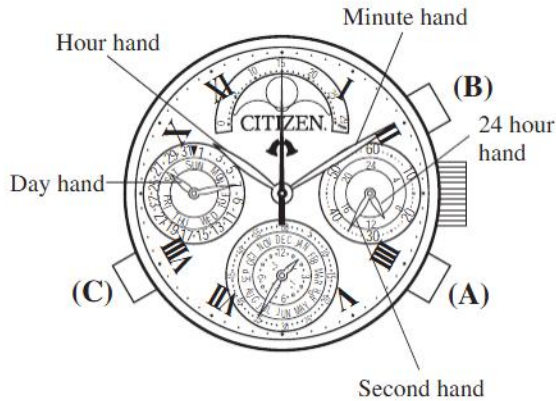
- (1) Press button(A) and set the year and month hands to 00:00.
- (2) Press button(B) and set the chronograph second hand to 00.00 seconds.
- (3) Press button(C) and set the date hand to the ▼ position.  
\* Pressing button(A) ,(B) or (C) continuously causes the hands to advance rapidly.
- (4) Always make sure to return the crown to the normal position.

\* After setting the reference position, always make sure to reset the time (basic time and chime time) and the calendar.

## 5. Setting the Time

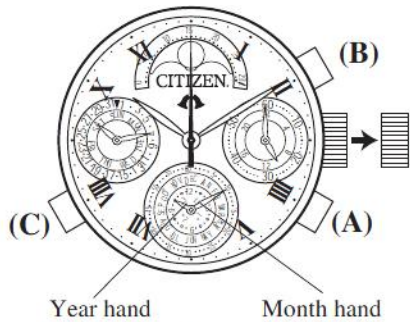
### 1. Setting the Time and Day of the Basic Clock

Once the time has been set for the basic clock, always make sure to set the time of the chime clock according to the time of the basic clock. If the time is different between the basic clock and chime clock, the chime will not sound at the correct time shown on the basic clock (current time).



- (1) Pull out the crown to the 2nd position so that the second hand stops at 0 seconds.
- (2) Turn the crown in the clockwise direction (so that the hour and minute hands rotate clockwise) to set the day.
  - \* The day can be corrected rapidly by moving the hands back and forth between 9:00 PM and 1:00 AM.
- (3) Turn the crown either to the right or left to set the hours, minutes and 24 hour hand to the current time.
  - \* Set the time while paying attention to AM and PM by looking at the 24 hour hand.
- (4) Always make sure to return the crown to the normal position.

## 2. Setting the Time of the Chime Clock



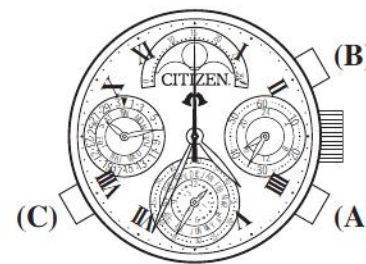
- (1) Pull out the crown to the 2nd position so that the second hand of the basic clock stops at 0 seconds.
- (2) Push button(A) or (B) and set the year and month hands to the time of the basic clock.
  - \* Button(A): Hands move forward 1 minute each time it is pressed.
  - \* Button(B): Hands move backward 1 minute each time it is pressed.
 Pressing button(A) or (B) continuously causes the hands to advance rapidly.

- (3) The basic clock and chime clock can be synchronized with a telephone time service or other official time service by pushing in the crown to the 1st or normal position at the same time you hear the tone.
- (4) The chime clock will return to the year and month display when the crown is pushed in.

Setting the chime clock to the time in another city based on the time of the basic clock enables the chime clock to be used to indicate local time in that city. Press button(B) to find out the local time.

## 3. Using the Chime Clock

\* The chime clock is a convenient function that lets you know the time (hours and minutes).



- (1) Pressing button(B) in the time and calendar display informs you of the current time with an electronic tone.
  - \* The crown should be in the normal position.

### (Interpretation of Chime Tones)

Hour tone: A high-pitched tone will sound at 1 second intervals for the number of hours from 1:00 to 12:00 (there is no distinction between AM and PM).

Minute tone: A combination high-pitch and low-pitch tone will sound for every 15 minutes past the hour. The number of minutes past that 15 minute interval is sounded with a low-pitch tone.

**(Example):** Current time is 4:34

4 hours: A high-pitched tone sounds 4 times at 1 second intervals.

30 minutes: A combination high-pitched and low-pitched tone sounds twice at 1 second intervals 1 second after the hour tone has sounded.

4 minutes: A low-pitched tone sounds 4 times at 1 second intervals 1 second after the 30 minute tone has sounded.

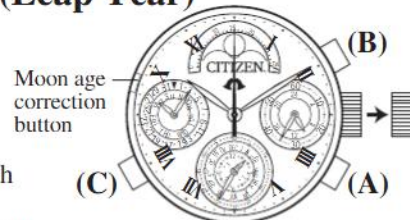
## 6. Setting the Calendar

### 1. Setting Date, Month and Year (Leap Year)

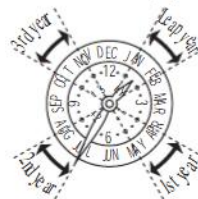
- (1) Pull out the crown to the 1st position.
- (2) Press button(A) or (B) to set the month and year (leap year for number of years passed since the last leap year).

\* Button(A) : The hand moves forward by 1 month each time it is pressed.

\* Button(B) : The hand moves backward by 1 month each time it is pressed.



**<Determination of the number of years that have elapsed since the most recent leap year>**



#### <Leap Year Time Difference Quick Reference Chart>

Year	Time difference from leap year (years)	Year	Time difference from leap year (years)
2004	Leap year	2008	Leap year
2005	1st year	2009	1st year
2006	2nd year	2010	2nd year
2007	3rd year	2011	3rd year

- (3) Press button(C) to set the date.

\* The date advances by 1 day each time button(C) is pressed.

Pressing button(A), (B) or (C) continuously causes the hands to advance rapidly.

- (4) Return in the crown to the normal position.

Since the day is linked with the operation of the basic clock (24 hour, hour and minute hands), make sure to also set the day when setting the time.

## 2. Setting the Moon Age





The moon age can be corrected regardless of the position of the crown.

(1) Press the moon age correction button to set the age of the moon.

\* Look in a newspaper to find out the moon age for the day, and then set the moon mark while referring to the moon age reference chart shown below.

### [Moon Age Reference Chart]

The indication of moon age is shown to indicate the age of the moon and not its shape. It can be used as a general indicator of moon age.

New moon Moon age:0 (high tide)	First quarter Moon age: approx.7 (low tide)	Full moon Moon age: approx.15 (high tide)	Last quarter Moon age: approx.28 (low tide)
			

### <Accurate Setting of Moon Age>

Moon age can be set more accurately by setting the moon age either during a new moon (when the moon mark is not visible; moon age: 0) or during a full moon (when the moon mark is facing straight up (in the direction of 12:00); moon age: approx. 15).

## 7. Using the Chronograph

The chronograph is able to measure time in 1/4 second units to a maximum of 12 hours. After 12 hours have elapsed, the chronograph returns to the chronograph reset display and stops. The chronograph can also be used to measure split time (intermediate elapsed time).

### [Chronograph Reset Display] 1. Switching to the Chronograph



(1) Press button (C) for least 2 seconds to switch from the calendar display to the chronograph display.

\* At this time, the month and year hands move to the 00:00 position (12:00 position) and stop.

### <Interpretation of Display>

Chronograph seconds: Seconds are read with the chronograph second hand.

(A) Chronograph minutes: Minutes are read with the month hand.

Chronograph hours: Hours are read with the year hand.

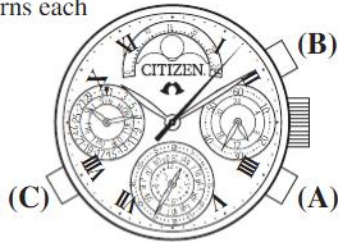
\* Measurement is canceled when the watch is switched to the calendar display during chronograph measurement.

## 2. Simple Measurement

- (1) Press button(B) to start measuring time.
- (2) Press button(B) again to end measurement and display elapsed time.
- (3) Pressing button(A) resets the chronograph and returns each chronograph hand to zero.

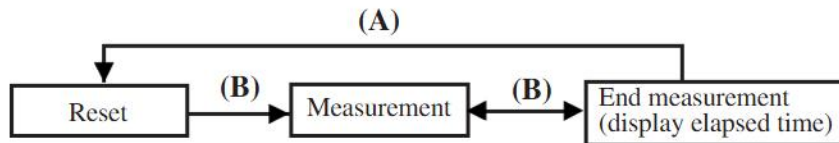
## 3. Integrated Measurement

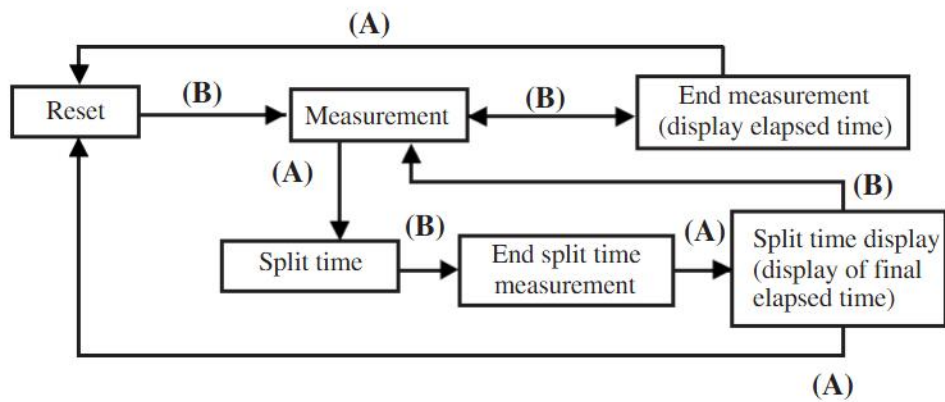
- (1) Press button(B) to start measuring time.
  - (2) Press button(B) again to end measurement and display elapsed time.
  - (3) Pressing button(B) again restarts measurement and (C) that time is integrated with the previous time.
- \* Measurement is started and stopped repeatedly each time button(B) is pressed.
- (4) After ending measurement by pressing button (B) , pressing button(A) resets the chronograph and returns each hand to zero.



## 4. Measurement of Split Time (Intermediate Elapsed Time)

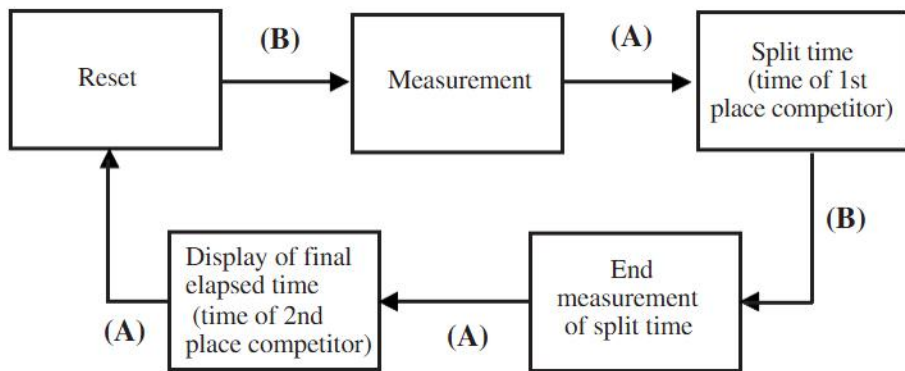
- (1) Press button(B) to start measuring time.
- (2) Pressing button(A) stops each chronograph hand to display the split time.  
\* Measurement of time continues even though the hands are not moving.
- (3) Pressing button(A) again cancels the display of split time after which measurement continues with the time that elapsed during display of split time added to the measured time (the chronograph hands begin to move again).  
\* Repeat steps (2) and (3) in the case of repeatedly displaying split time.
- (4) Pressing button(B) when the split time is displayed ends split time measurement.
- (5) When button(A) is pressed, the time that elapsed during display of split time is added to the measured time and that time is displayed.
- (6) Pressing button(A) again resets the chronograph and each of the chronograph hands returns to zero.





## 5. Simultaneous Measurement of 1st Place and 2nd Place Times

- (1) Press button **(B)** to start measuring time.
- (2) Press button **(A)** when the 1st place competitor crosses the finish line. The time of the 1st place competitor is displayed.  
\* Measurement of the time of the 2nd place competitor continues even while the time of the 1st place competitor is being displayed.
- (3) Press button **(B)** when the 2nd place competitor crosses the finish line. Time measurement will stop at this point.  
\* The time of the 1st place competitor is still displayed.
- (4) Press button **(A)** to display the time of the 2nd place competitor.
- (5) Pressing button **(A)** again resets the chronograph and returns each of the hands to zero.



## 8. Troubleshooting

### 1. The date hand is moving backward (in 1 second intervals)

\* This indicates that the Reference Position Failure Alarm has been activated as a result of not setting the reference position. Perform the All-Reset and Reference Position Setting procedures by referring to “4. Setting the Reference Position”.

### 2. The hands do not indicate the correct positions in each mode

\* The hand reference positions may shift if the watch is subjected to a strong impact and so forth. Perform the All-Reset and Reference Position Setting procedures by referring to “4. Setting the Reference Position”.

### 3. Abnormal display or operation

\* There may be extremely rare occasions on which the watch exhibits an abnormal display or operation (such as the hands continually turning) as a result of the effects of static electricity or strong impact. When this happens, perform the All-Reset and Reference Position Setting procedures by referring to “4. Setting the Reference Position”.

#### [After Replacing the Battery]

\* Always make sure to perform the All-Reset and Reference Position Setting procedures by referring to "4. Setting the Reference Position" after replacing the battery. If these procedures are not performed, the watch may not operate properly.

## 9. Cases Treated with Duratect

This product is provided with Citizen's DURATECT coating. This platina coating employs an ion plating technology originally developed by Citizen that enhances surface hardness to roughly five times that of stainless steel for outstanding wear resistance. DURATECT also protects the watch body from scratches and maintains the inherent beauty and brightness of the metal for a long period of time. (Gold parts are excluded)

Note: Please note that the watch may become scratched when scratched with hard objects or subjected to strong impacts. In addition, this DURATECT coating is not provided on certain parts of the watch (namely, the back cover of the case and the band buckle).

★Products that have been treated with DURATECT are stamped with the word, "Duratect", on the back of the watch.

## 10. Precautions






### WARNING: Water-resistance performance

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

The unit "bar" is roughly equal to 1 atmosphere.

\* WATER RESIST(ANT) xx bar may also be indicated as W.R. xx bar.

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

Indication		Specifications	Examples of use				
Dial	Case (case back)						
WATER RESIST or no indication	WATER RESIST(ANT)	Water-resistant to 3 atmospheres	OK	NO	NO	NO	NO
WR 50 or WATER RESIST 50	WATER RESIST(ANT) 5 bar or WATER RESIST(ANT)	Water-resistant to 5 atmospheres	OK	OK	NO	NO	NO
WR 100/200 or WATER RESIST 100/200	WATER RESIST(ANT) 10bar/20 bar or WATER RESIST(ANT)	Water-resistant to 10/20 atmospheres	OK	OK	OK	NO	NO

## **WARNING: Water-resistance performance**

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

## **CAUTION**

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

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

## **CAUTION: Keep your watch clean.**

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

## **Cleaning the Watch**

- Use a soft cloth to wipe off dirt, perspiration and water from the case and crystal .
- Use a soft, dry cloth to wipe off perspiration and dirt from the leather band.
- To clean a metal, plastic, or rubber watchband, wash away dirt with mild soap and water. Use a soft brush to remove dust and dirt jammed in the gaps in the metal band. If your watch is not water-resistant, take it to your dealer.

**NOTE:** Avoid using solvents (thinner, benzine, etc.), as they may mar the finish.

### **WARNING: Handling of the battery**

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

### **CAUTION: Replacing the battery**

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

### **CAUTION: Operating environment**

- Use the watch within the operating-temperature range specified in the instruction manual. Using the watch where temperatures are outside the specified range, may result in deteriorations or even stoppage of the watch.
- Do NOT use the watch in places where it is exposed to high temperature, such as in a sauna.  
Doing so may result in a skin burn.
- Do NOT leave the watch in a place where it is exposed to high temperature, such as the glove compartment or dash-board of a car.  
Doing so may result in deterioration of the watch, such as deformation of plastic parts.

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

### **Periodical inspections**

Your watch needs inspection once in every two or three years for safety and long use. To keep your watch water-resistant, the packing needs to be replaced regularly. Other parts need to be inspected and replaced if necessary. Ask for Citizen genuine parts upon replacement.

# 11. Specifications

**1. Caliber No:** 677\*

**2. Type:** Multi-hand analog quartz watch

**3. Accuracy:** Within  $\pm 20$  seconds per month on average (when worn at normal temperatures (+5°C to +35°C/41°F to 95°F))

**4. Operating Temperature Range:** -10°C to +60°C/14°F to 140°F

**5. Display Functions:**

- \* Time: Hours, minutes, seconds, 24 hour clock
- \* Calendar: Year, month, date, day, moon age
- \* Chronograph: 12 hour time measurement, 1/4 second units, split time measurement function

**6. Additional Functions:**

- \* Calendar: Leap year and monthly correction function
- \* Moon age: Graphic wheel display function
- \* Chime function (chime clock)
- \* Reference position failure alarm function
- \* Second hand arbitrary stop function

**7. Battery:** Battery no. 280-44 (SR927W)

**8. Battery Life:** Approx. 2 years (assuming that the chime sounds for 17 seconds/day and chronograph measurement is used for 1 hour per/day)

\* Specifications are subject to change without notice.