

CITIZEN QUARTZ

ANA-DIGI TEMP

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Model No. JG2*** Cal. 8988

- INSTRUCTION MANUAL
- BETRIEBSANLEITUNG
- MANUEL D'INSTRUCTIONS
- MANUAL DE INSTRUCCIONES
- MANUALE DI FUNZIONAMENTO
- MANUAL DE INSTRUÇÕES
- 説明書

CTZ-B8024

Please refer to the diagram on the left when reading this instruction manual.

Veillez vous reporter au schéma de gauche pendant la lecture des explications de ce mode d'emploi.

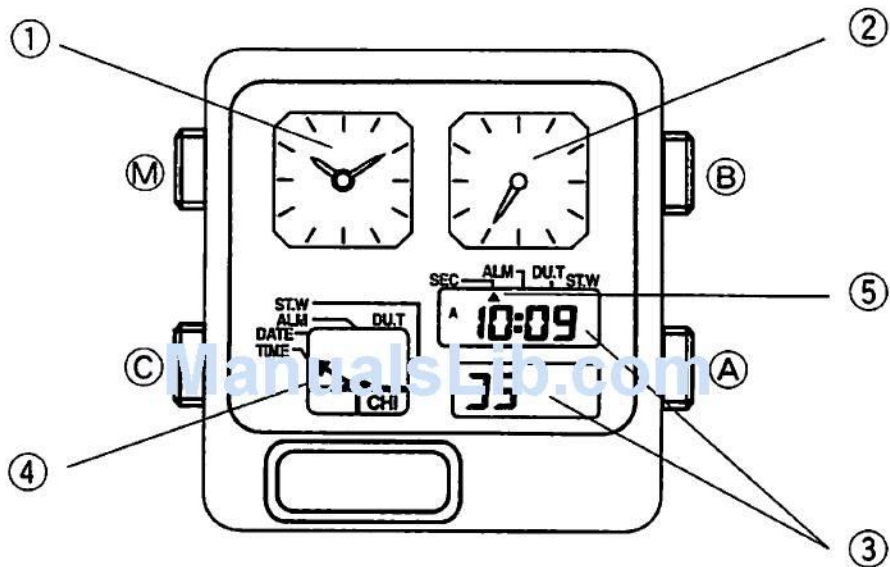
Consulte con el diagrama de la izquierda cuando lea este manual de instrucciones

Bitte beziehen Sie sich bei der Verwendung dieser Anleitung auf das nebenstehende Diagramm.

Fare riferimento all'illustrazione a sinistra durante la lettura delle istruzioni per l'uso.

Na leitura deste Manual de instrução, favor referir-se ao diagrama descrito à esquerda.

本使用說明書請參照左圖閱讀。



Design may differ with model.
 Das jeweilige Uhrdesign ist modellabhängig.
 Le style peut être différent selon le modèle.
 El diseño puede variar dependiendo del modelo.

Il disegno può differire a seconda dei modelli.
 Há variedade de desenhos conforme o modelo.
 設計因型號而異。

English

English

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1. Main Features

This is a combination quartz watch with a full range of functions such as Time, Calendar, Alarm, Stopwatch and Dual Time, plus the temperature measuring function.

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2. Name of Parts and their Functions

Name of Parts		Time	Calendar
Ⓐ	Button Ⓐ	Press once	Switching temperature measurement interval
		Press for 2 seconds or more	Switching chime ON/OFF
Ⓑ	Button Ⓑ	Press once	Switching Analog 2 display
		Press for 2 seconds or more	To Calendar adjustment mode
Ⓒ	Button Ⓒ	Press once	Lamp turns on
Ⓜ	Button Ⓜ	Press once	To Calendar Mode
			To Alarm Mode
①	Analog 1 [A1]	Always indicates current time (hours, minutes)	
②	Analog 2 [A2]	Indicates seconds or alarm time as reference display	
③	Digital Display	Hours, Minutes, Seconds, A/P	Date, Day, Temperature
④	Mode Mark (arrow)	TIME	DATE
⑤	Analog 2 identification mark (▲)	Indicates either SEC (seconds), ALM (alarm), or DU.T (dual time)	

When reading from here, please do so while referring to the spread showing an illustration of the watch at the beginning of this manual.

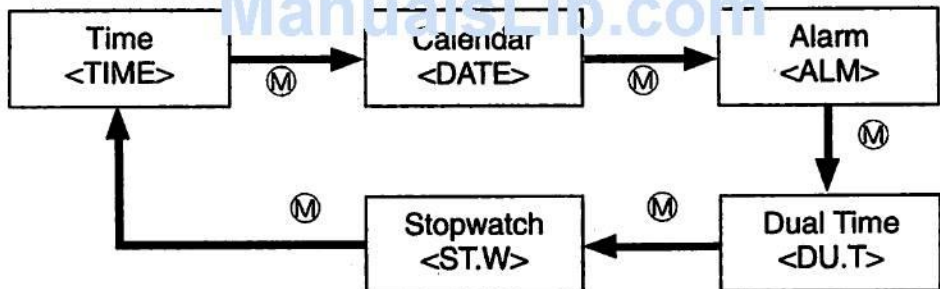
Alarm	Dual Time	Stopwatch
Switching ON/OFF	—	Split/Reset
Alarm monitor	—	—
Switching Analog 2 display	Switching Analog 1 display	Start/Stop
To Alarm adjustment mode	To Local Time adjustment mode	—
Lamp turns on		
To Dual Time Mode	To Stopwatch Mode	To Time Mode
Always indicates current time (hours, minutes)		
or indicates local time as reference display		Hour
Hours, Minutes, Temperature Memo	Hours, Minutes Seconds, L Mark	Minutes, Seconds 1/1000 seconds
ALM	DU.T	ST.W
Indicates either SEC (Seconds), ALM (Alarm), or DU.T (Dual time)		ST.W (Stopwatch)

3. Switching Modes

Each press on button (M) switches the desired mode. The current mode can be confirmed by the Mode Mark (arrow).

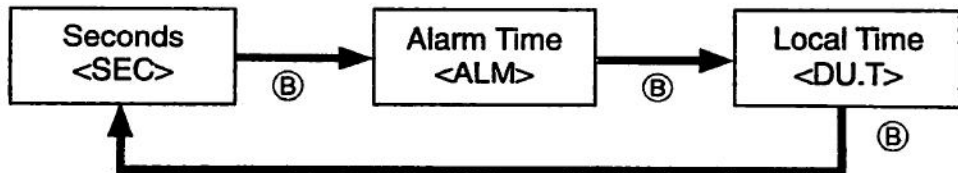
Each press on button (B) switches the Analog 2 display. The current display can be confirmed by the Analog 2 identification mark (▲).

<Switching Mode: Press Button (M)>



* The thermometer measurement is shown in the Calendar mode.

<Switching Analog 2 display: Press Button (B)>

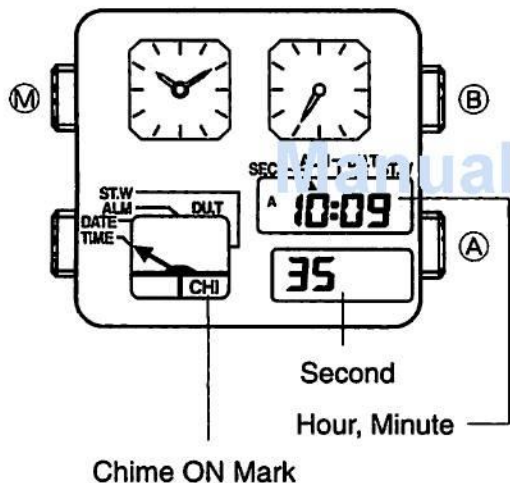


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Analog 2: Indicates one of these from “Seconds (time)”, “Alarm Time” or “Local Time” as reference display.

4. Setting Time <TIME>

[Normal Time Display]



<Setting Time>

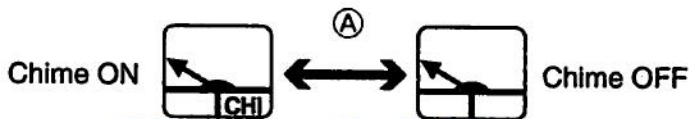
- (1) Press and hold button (B) for 2 seconds or more while in normal Time display. The "Seconds" will start flashing, indicating that the watch is in adjustment mode.
- (2) Each press on button (B) in adjustment mode changes flashing section in the order of [Second → Minute → Hour → 12-hour/24-hour → Analog 1 adjustment → Analog 2 adjustment].
- (3) Press button (A) to adjust flashing section. (Press and hold button (A) for rapid advancement.)

- To adjust the seconds, press button (A) to return the setting to “00” seconds to start.
 - Each press on button (A) switches the watch between 12-hour and 24-hour system.
 - Each press on button (A) adjusts Analog 1 (“Hour” and “Minute” blink simultaneously) in 1/3 minute (20-second intervals) in clockwise direction. Adjust the Analog 1 indication to show the same time as the digital indication.
 - Each press on button (A) adjusts Analog 2 (“00” and “Analog 2 identification mark” blink simultaneously) in clockwise direction in 10-second intervals. Set to the 0-second position (12 o'clock).
- (4) Press button (M) to return to normal Time display.

- The “Second” indication of Analog 2 is interlocked with the “Second” indication of the digital time.
- Make sure that the AM (A)/PM (P) indication is correct when setting the time in the 12-hour display system.
- Auto-Return to the normal Time display will be activated when the watch is left in the adjustment mode (flashing display) for more than 2 minutes.
- Instant Manual Return to normal Time display can be made by pressing button (M) in Time adjustment mode.

<Chime ON/OFF>

Press and hold button (A) for 2 seconds or more during the normal Time display to switch chime between ON and OFF. When the Chime is ON, the Chime ON mark (CHI) is displayed below the mode mark indication.

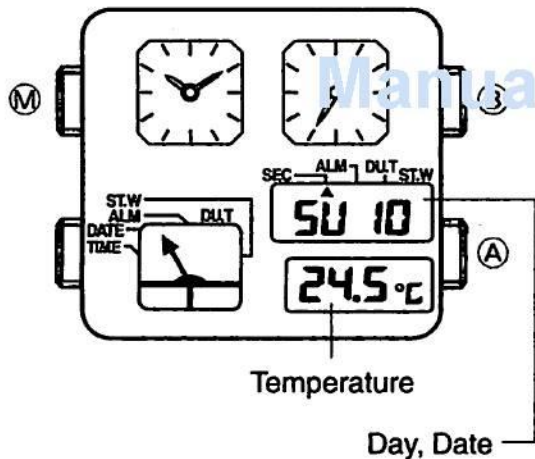


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5. Setting Calendar <DATE>

In the Calendar mode, the temperature measurement indication is shown in the digital display.

[Normal Calendar Display]



<Setting Calendar>

- (1) Press and hold button (B) for 2 seconds or more while in normal Calendar mode. The "Month" will start flashing in the lower part of digital display, indicating that the watch is in adjustment mode.
- (2) Each press on button (B) in adjustment mode changes flashing section in the order of [Month → Date → Year].
- (3) Press button (A) to adjust flashing section. (Press and hold button (A) for rapid advancement.)
- (4) Press button (M) to return to normal Calendar display.

- In the Calendar adjustment mode, Analog 2 display always shows the seconds.
- Year and month are only indicated during adjustments.
- Year can be set from 1999 through 2099.
- Day of the week is automatically set with adjustment of Year, Month and Date.
- Auto-Return to normal Calendar display will be activated when the watch is left in adjustment mode (flashing display) for more than 2 minutes.
- When Calendar is set to a non-existent date (e.g., February 30), display will automatically show the first day of next month when returned to normal display.
- Month-end adjustments including a leap year are not necessary since it is programmed in the way of full auto calendar.
- Instant Manual Return to normal Calendar display can be made by pressing button **(M)** in adjustment mode.

6. How to Use Thermometer

This thermometer can measure the temperature in the following two ways. The temperature scale can be switched between Celsius ($^{\circ}\text{C}$) and Fahrenheit ($^{\circ}\text{F}$).

Temperature Measurement in the Calendar Mode

When button **M** is pressed to switch to the Calendar mode, the temperature is always measured while the Calendar mode display is shown. Button operation allows you to change the measuring interval (measurement each minute or each second).

Alarm Time Temperature Measurement

The temperature is automatically measured and retained as a temperature memo at the alarm time set in the Alarm mode. The recorded temperature memo is indicated in the Alarm mode until the temperature is again recorded at the time of the next alarm or until a new alarm time is set.

<Changing the Temperature Measuring Interval>

Each press on button (A) in the Calendar mode switches the measuring interval between measurement each second or measurement each minute. The "°C" or "°F" mark flashes in the selected measuring interval. However, when measurement each second is selected, the measuring interval automatically returns to measurement each minute after about 3 minutes of measurement each second.

<Temperature Measurement Range and Measurement Accuracy>

	Celsius (°C)	Fahrenheit (°F)
Display temperature range	-9.9°C ~ +59.9°C	14°F ~ 139°F
Display unit	0.1°C	1°F
Measurement accuracy	20°C ~ 30°C: ±1°C -5°C ~ +40°C: ±2°C	68°F ~ 86°F: ±2°F 23°F ~ 104°F: ±4°F

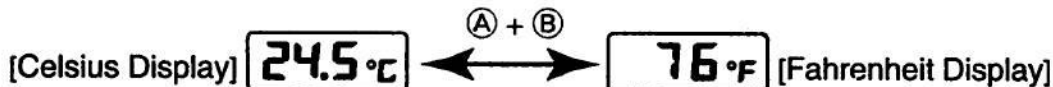
<Precautions for Temperature Measurement>

- When measuring the temperature while the watch is worn, the body temperature will affect the measurement. To measure the temperature accurately, take off the watch and leave it to be acclimatized to the temperature environment to be measured for at least 20 to 30 minutes. The time that the watch requires to acclimatize to the temperature environment varies with temperature differences and locations.
- Do not use the watch for measuring temperatures outside the temperature ranges indicated in the table on the previous page. Using the watch when the temperature is extremely high or low may cause damage.

<How to Switch Between the Celsius and Fahrenheit Scales>

In the Calendar mode, press button (B) for 3 seconds or more while button (A) is pressed to switch between Celsius and Fahrenheit indication.

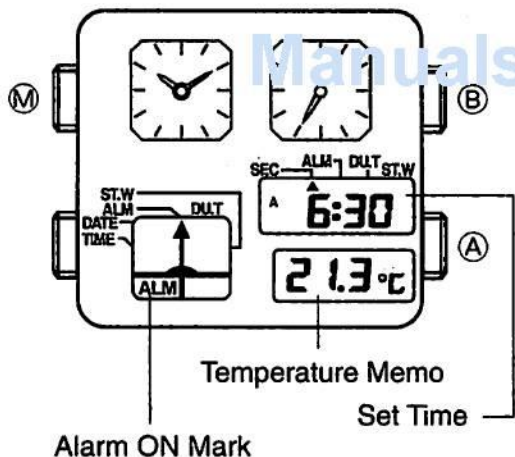
(The indication is not switched if button (B) is pressed first.)



7. How to Use Alarm <ALM>

Once this alarm has been set (ON), the alarm will sound for about 20 seconds every day at the same time. When the alarm is set, the temperature is automatically measured at the set alarm time and displayed as a temperature memo.

[Normal Alarm Display (ON)]



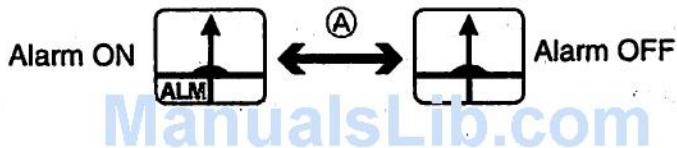
<Setting Alarm>

- (1) Press and hold button **(B)** in Alarm mode for 2 seconds or more. "Hours" starts flashing and becomes an adjustment mode.
- (2) Press button **(A)** to adjust the "Hour". (Press and hold button **(A)** for rapid advancement.)
- (3) When button **(B)** is pressed while the "Hour" flashes, the "Minute" starts flashing.
- (4) Press button **(A)** to adjust the "Minute".
- (5) Press button **(M)** to return to normal display.

- * In the Alarm adjustment mode, Analog 2 display shows the alarm set time as reference display.
- * When the time mode is indicated as a 12-hour system, the alarm time is also indicated as a 12-hour system indication. Pay attention to the AM (A) and PM (P) indications when setting the alarm.
- * Auto-Return to normal Alarm display will be activated when the watch is left in adjustment mode (flashing display) for more than 2 minutes.
- * Instant Manual Return to normal Alarm display can be made by pressing button **M** in Alarm adjustment mode.
- * The recorded temperature memo is indicated until the temperature is again recorded at the next set time or until a new alarm is set.

<To Switch Alarm ON/OFF>

Each press on button (A) in the normal Alarm display switches the Alarm between ON (set) and OFF (canceled). When the Alarm is ON, the Alarm ON mark (ALM) is shown below the mode mark indication.



<Silencing the Alarm and Alarm Monitor>

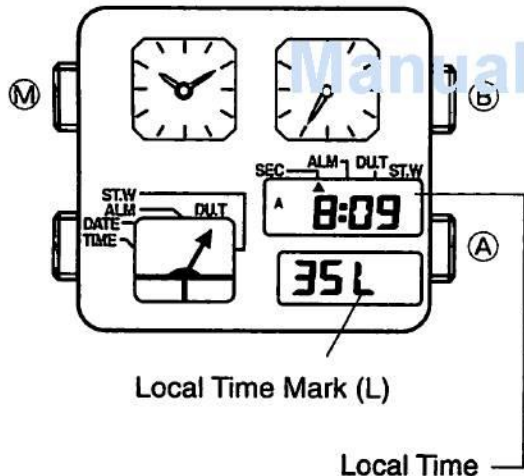
The sounding alarm can be silenced by pressing any button.

The alarm sound can be confirmed by pressing button (A) in the Alarm mode.

8. How to Use Dual Time <DU.T>

You can set another time (local time), different from Time mode by this Dual Time mode. The "Second" indication of the local time is interlocked with the seconds of the time mode.

[Normal Dual Time Display]



<Setting Local Time>

- (1) Press and hold button **(B)** for 2 seconds or more while in the Dual Time mode. The "Hours" will start flashing, indicating that the watch is in adjustment mode.
- (2) Press button **(A)** to adjust the "Hour". (Press and hold button **(A)** for rapid advancement.)
- (3) When button **(B)** is pressed while "Hour" is flashing, "Minute" starts flashing.
- (4) Press button **(A)** to adjust the "Minute".
- (5) Press button **(M)** to return to normal display.

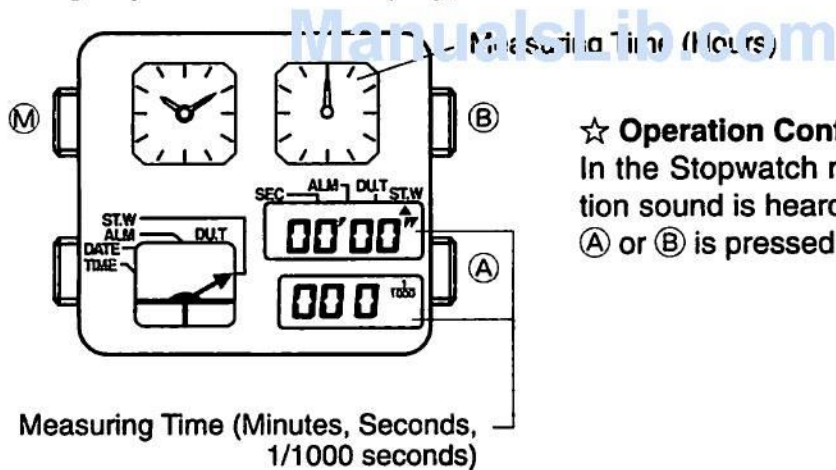
- * In the Adjustment mode, Analog 2 display shows the local time as reference display.
- * Auto-Return to normal Dual Time display will be activated when the watch is left in adjustment mode (flashing display) for more than 2 minutes.
- * Instant Manual Return to normal Dual Time display can be made by pressing button **M** in adjustment mode.

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9. How to Use Stopwatch <ST.W>

This Stopwatch can measure the time in 1/1000 sec. units up to "11 h, 59 m, 59 sec, 999". After 12 hours of measurement is completed, the indication returns to "00 h, 00 m, 00 sec, 000" and stops. Split time (elapsed time) measurement is also possible.

[Stopwatch Reset Display]



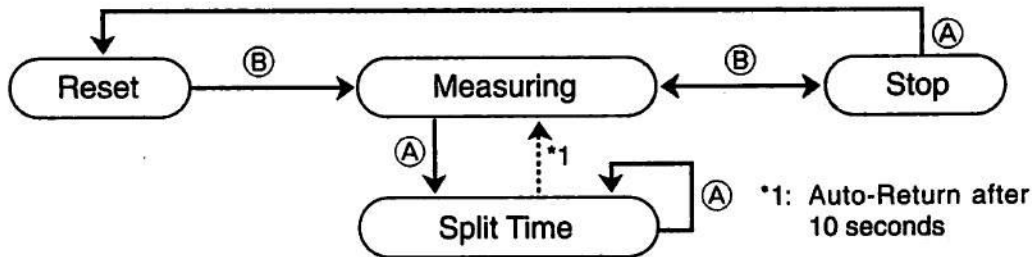
☆ **Operation Confirmation Sound**
In the Stopwatch mode, a confirmation sound is heard each time button (A) or (B) is pressed.

<Accumulative Time Measurement>

- (1) Each press on button (B) repeats start/stop.
- (2) Press button (A) when counting is stopped to reset Stopwatch.

<Split Time Measurement>

- (1) Each press on button (B) repeats start/stop.
- (2) Press button (A) while Stopwatch is running. Split Time will appear for 10 seconds.
"SPL" is shown flashing while expiration is indicated.
Each press on button (A) measures and displays the newest Split Time.
- (3) Press button (A) when counting is stopped to reset Stopwatch.



<Mode Change During Stopwatch Measurement>

Even when button **(M)** is pressed during stopwatch measurement to switch the mode, the measurement continues. By returning to the Chronograph mode again, the continued measurement can be displayed.

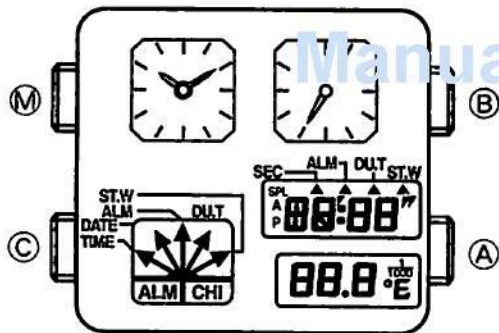
10. Low Battery Warning Function

When the service life of the battery approaches its end, the colon (:) on the digital display starts flashing. When Analog 2 is set to indicate "Seconds", the Analog 2 dial movement changes to 2-second interval movement (moves by 2 increments every 2 seconds) in the case of low battery.

In these cases, replace the battery as soon as possible.

11. All-Reset Function

Use All-Reset Function to reset the watch after replacing the battery or if the watch is showing abnormal display or operation due to a strong shock or static electricity (no display, alarm keeps on sounding etc.). All-Reset Function can be performed as follows.



<All-Reset Function>

- (1) Press buttons (A), (B), (C) and (M) simultaneously.
- (2) Release the button.
- (3) Press one of the buttons. This completes the All-Reset operation. After All-Reset operation, adjust the time or modes correctly.

12. Precautions

CAUTION Water-Resistance Performance

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

- **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.





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



Minor exposure to water
(washing face, rain, etc.)

Indication		Resistance	
Dial	Case (caseback)		
WATER RESIST or no indication	WATER RESIST(ANT)	Water- resistant to 3 atmospheres	OK
WR 50 or WATER RESIST 50	WATER RESIST(ANT) 5 bar or WATER RESIST (ANT)	Water- resistant to 5 atmospheres	OK
WR 100/200 or WATER RESIST 100/200	WATER RESIST(ANT) 10/20 bar or WATER RESIST (ANT)	Water-resistant to 10/20 atmospheres	OK

Examples of Use

			
Moderate exposure to water (washing, kitchen work, swimming, etc.)	Marine sports (skin diving)	Scuba diving (with air tank)	Operation of the device with moisture visible
NO	NO	NO	NO
OK	NO	NO	NO
OK	OK	NO	NO

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

CAUTION

- Do NOT operate the buttons 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

- 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 deterioration of functions 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.

13. Specifications

1. Caliber No. 8988
2. Type Combination (Analog + Digital) quartz watch
3. Accuracy Within ± 15 seconds/month
(Within a normal temperature range of $+5^{\circ}\text{C}$ to $+35^{\circ}\text{C}$ /
 41°F to 95°F) When worn.
4. Operating Temperature Range : 0°C to $+55^{\circ}\text{C}$ / 32°F to 131°F
5. Display Functions Analog 1: Hours, Minutes
Analog 2: Shows either Seconds, Alarm Time, Local Time, or Chronograph Measurement (hour) as reference display.

Digital:
 - Time: Hours, Minutes, Seconds
 - Calendar: Date, Day, Temperature
 - Alarm: Hours, Minutes, Temperature Memo
 - Dual Time: Local Time (Hours, Minutes, Seconds)
 - Stopwatch: 12-hour measurement (1/1000-second units), Split Time Measurement

6. Additional Functions
- Lamp Function
 - Chime Function
 - Thermometric Function (switch display of °C/°F)
 - Low Battery Warning Function
7. Battery Battery No.: 280-30, Battery Code: SR1120W
8. Battery Life About 2 years.
(Based on assumed use of Alarm buzzer 20 seconds/day, chime 24 times/day, Lamp 3 seconds/day, Stopwatch 12 hours week.)
- * These specifications are subject to change, for product improvement, without prior notice.

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