

This is a combination (analog and digital display) diver's watch with a depth meter installed.

When diving, various data related to diving (present depth/diving time/maximum depth) appears on the digital display. Apart from the log data memory function which records the diving data from four dives, there is also an ascending speed alarm function which warns the diver with an alarm sound if the ascending speed is too fast.

**Highly Reliable "200m Diving Water-resistant Performance"**

The highly reliable water-resistant performance conforms to ISO diver's watch standards.

\* ISO diver's watch standards have been set by the International Organization for Standardization.

< ISO/6425, May 15th, 1984 >

**All repairs on this product, including battery replacement, should be done at a Citizen Service Center. Request repairs or an inspection by Citizen at the place of purchase or send directly to a Citizen Service Center.**



## CAUTION

Before using the watch, read this instruction manual carefully for safe and correct use. After reading this manual, keep it for your further reference.

Safety precautions - Instructions to be followed at all times.  
In order to prevent injury to yourself or other persons and damage to property, this manual describes the instructions which you should strictly follow:

- Injury and/or damage which might be caused by using the watch improperly, neglecting any of the instructions or precautions in this manual, are classified with the following symbols.



## WARNING

This symbol is followed by instructions the negligence of which might result in death or serious injury.



## CAUTION

This symbol is followed by instructions the negligence of which might result in injury or damage to property.

- The instructions for safe operation are classified with the following symbols.



Warning (caution) symbol followed by instructions for safe operation and/or precautions that you should take



Prohibition symbol followed by "don'ts" (what you should not do)

 **WARNING**

Diving is a fundamentally dangerous sport. When diving with this watch, make sure you fully understand and follow the instructions on handling described in this manual.

The depth measurement function of this watch is not approved as a measuring instrument for official organizations. Use it as an auxiliary or backup instrument.

Diving with this watch is limited to recreational diving (non-decompression diving). Do not use it for decompression diving, saturation diving or diving at high altitude. It can be used in seawater in a temperature range of 10°C - 40°C (50°F - 104°F), but it does not indicate correct depths in water other than seawater (specific gravity 1.025). The watch's display and performance are also affected by sudden changes in atmospheric pressure or changes in the water temperature. It must be used in combination with other instruments. Always use this watch's display as an approximate guide.

Recreational diving involves risks. Use this watch for diving after you have undergone scuba diving training from a qualified instructor, obtained the necessary experience and skills for safe diving, and fully understood the watch's handling operation.

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## A. DIVING WITH THIS WATCH

### **CAUTION** DIVING WITH THIS WATCH

- Only use this diving watch after undergoing correct instruction and training in diving and always obey the accompanying rules.
- Make sure you fully understand the handling of the watch and the caution items in order to use it correctly. Please note that the watch may not function correctly if you handle it other than as indicated in this instruction manual.

### **WARNING** DEPTH METER FUNCTION

- This watch's depth meter function is not approved as a depth meter for official organizations. Use it as an auxiliary or backup instrument.
- Only use this watch's depth meter values as a guideline.

### **CAUTION** FOR SAFE DIVING

- Always use the 'buddy system' when diving.
- This product is recommended for sports diving to depths of about 15-20m (50-65ft).
- Early battery replacement is recommended. A new battery will last approximately 2 years. (This will vary according to the frequency of use of the depth meter function.)
- Rest fully after diving as specified by safety rules. Riding in an airplane or moving to a high altitude too soon after diving can bring about decompression sickness.

## **PROHIBITION**    **PROHIBITION WHEN DIVING**

Do not use this watch for diving in the following cases.

- When the low battery warning function is activated.
  - ... When the life of the battery is nearing its end, the second hand moves in 2 second intervals.
- When the watch stops or exhibits any abnormal functioning.
- The depth measurement is outside the assured temperature range.
  - ... The temperature range in which the accuracy of this watch's depth meter is guaranteed is +10°C - +40°C (50°F - 104°F).
- In potentially dangerous activities or conditions.
  - ... This watch is not designed for use in maritime emergencies or to prevent sea disasters, etc.
- When using a helium enriched environment.
  - ... This might cause breakdown or damage.

## **CAUTION**    **PRECAUTIONS FOR DIVING**

< Before diving >

- Make sure that the crown is pushed firmly in and locked in place.
- Make sure that the band is firmly attached to the watch body.
- Make sure that there are no cracks, flaws or chips on the watch band or glass.
- Make sure that the register ring will rotate correctly.
- Make sure that the time and calendar are set correctly.
- Make sure that the depth alarm and diving time alarm are set correctly.
- Make sure that the second hand is moving correctly.
  - \* If the second hand is moving in 2 second increments, then the battery is low. Request battery replacement by Citizen at the place of purchase or send directly to a Citizen Service Center.

< **During diving** >

- Avoid ascending very quickly to prevent your body from being affected by the bends, etc. Surface at a safe speed of within 9m/30ft. per minute. This ascending speed is in accordance with the U.S. Navy Diving Manual (1993 edition).
- Never operate the crown or any buttons except button **(A)** when underwater. Doing so may result in a fault such as poor water resistance.
- Be careful because the alarm may be hard to hear underwater because of the sound of your breathing.

< **After diving** >

- After making sure that the crown is locked in place, wash the watch free of seawater, mud and sand using fresh water, then wipe the water off with a dry cloth.
- Do not attempt to remove the sensor cover and remove any dirt or debris clogging the sensor with a sharp instrument. If there is any debris, flush it out with fresh water. If you cannot do so, consult a Citizen Service Center.

 **CAUTION DIVING AT HIGH ALTITUDE AND IN FRESHWATER**

- Be sure to complete special safety training before diving in fresh water or at high altitude.
- Do not use this watch at altitudes over 4,000 meters (13,124ft), because accurate measurement is not possible.
- This watch displays change in depth based on a standard of seawater (density 1.025), so the actual depth in fresh water will be 2.5% greater than the depth displayed.  
Example: 20m/66ft (indicated depth) X 1.025 = 20.5m/68ft (actual depth)

The pressure sensor is calibrated to the surrounding pressure at a depth of 0m (0ft) when the watch is switched to Diving Modes. Sealevel is also set to 0m (0ft) when the watch is switched to Diving Modes in a lake at high altitude. However, do not use at an altitude of over 4,000m (13,124ft) because accurate measurement is not possible.

## B. NAMES AND FUNCTIONS OF PARTS

- Read in conjunction with the watch diagram at the beginning of this manual.

Name		Time Modes	
		Time/Calendar	Alarm
Ⓐ : Button Ⓐ	Press once	Switches between hours, minutes/seconds/date, day	ON/OFF
	Press for 2 seconds or more	—	—
Ⓑ : Button Ⓑ	Press once	—	—
	Press for 2 seconds or more	To time/calendar adjustment status	To alarm set time adjustment
Ⓜ : Button Ⓜ	Press once	To Alarm Mode	To Chronograph Mode
	Press for 2 seconds or more	To Diving Modes	To Diving Modes
1: Digital display		A/P, hours, minutes/seconds/date, day	A/P, hours, minutes or OFF
2: Crown		Use to adjust the analog time	Use to adjust the analog time
3: Hour hand		Normally shows "hours"	Normally shows "hours"
4: Minute hand		Normally shows "minutes"	Normally shows "minutes"
5: Second hand		Normally shows "seconds"	Normally shows "seconds"

**6: Rotating bezel** ... You can use this rotating bezel to approximately measure the diving time and remaining time.

**7: Pressure sensor** ... Senses water pressure to measure the depth.

		Diving Modes		Diving Modes	
Name		Log Mode	Depth Alarm Mode	Dive Time Alarm Mode	Dive Mode
Ⓐ : Button Ⓐ	Press once	Memo (logged) recall	Depth Alarm correction	Dive time alarm correction	Dive time/max. depth recall
	Press for 2 seconds or more	—	Depth Alarm quick correction	Dive time alarm quick correction	—
Ⓑ : Button Ⓑ	Press once	To Dive Mode	To Dive Mode	To Dive Mode	—
	Press for 2 seconds or more	—	—	—	To Log Mode *3
Ⓜ : Button Ⓜ	Press once	Shows the following log No. *1	To Dive Time Alarm Mode	To Log Mode	—
	Press for 2 seconds or more	To Time Modes	To Time Modes	To Time Modes	To Time Modes *3
1: Digital display		*2	Set depth	Set dive time (minutes)	Current depth/Dive time/max. depth
2: Crown		Use to adjust the analog time		Use to adjust the analog time	
3: Hour hand		Normally shows "hours"		Normally shows "hours"	
4: Minute hand		Normally shows "minutes"		Normally shows "minutes"	
5: Second hand		Normally shows "seconds"		Normally shows "seconds"	

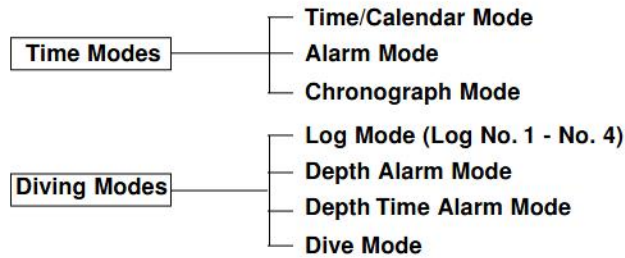
\*1 To Depth Alarm Mode when log no. 4 is shown

\*2 Log No./Dive date/Dive start time/Max. depth/Diving time

\*3 Pushing the button does not switch the mode during diving (when a depth of 1m/4ft or more is shown).

## C. SWITCHING MODES

On this watch's digital display function, the modes are broadly classified into 2 types.

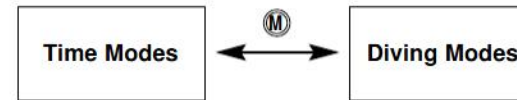


\* The signs for buttons used in each explanation's illustration have the following meanings.

- Ⓜ : Press the button for 2 seconds or more
- : Press the button once

## 1. TIME MODES ↔ DIVING MODES

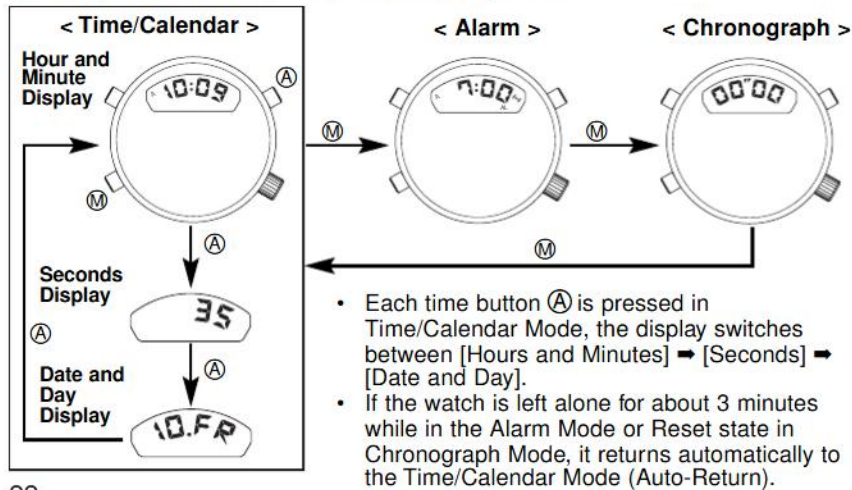
In any mode (except the Dive Mode), pressing button Ⓜ for 2 seconds or more sounds the confirmation beep and switches between the Time Modes and the Diving Modes.



- When the Dive Mode depth meter display reads 0 (within 1m/4ft), depth measurement ends and the watch switches to Time Modes display.
- When the Dive Mode depth meter display reads 1.0m (4ft) or more, the mode cannot be switched by button operation.
- If the low battery warning function is activated or if there is something wrong with the pressure sensor (ER is displayed), normal depth measurement cannot be carried out so the watch cannot be switched to the Dive Mode of the Diving Modes.

## 2. SWITCHING TIME MODES

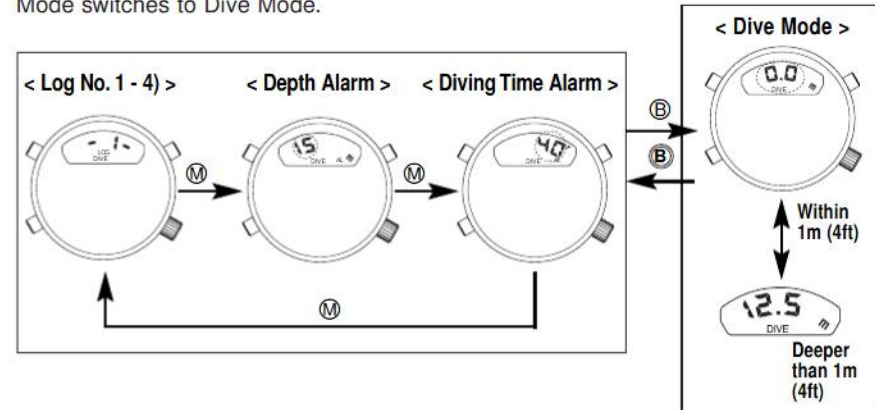
The mode is switched each time button **(M)** is pressed.



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## 3. SWITCHING DIVING MODES

Each time button **(M)** is pressed, the mode is switched between Log No. 1 → Log No. 2 → Log No. 3 → Log No. 4 → Depth Alarm → Diving Time Alarm. Pressing button **(B)** in Log Mode, Depth Alarm Mode or Diving Time Alarm Mode switches to Dive Mode.

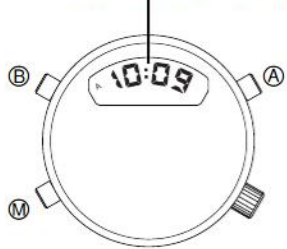


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- If the watch is left alone for about 1 hour in Log Mode, Depth Alarm Mode or Diving Time Alarm Mode, it automatically returns to the Time Modes.
- If the watch is left alone for about 1 hour when the Dive Mode reads '0', it automatically returns to the Time Modes.

## D. HOW TO SET THE DIGITAL TIME

"Hour and Minutes" or  
"Seconds" or "Date and Day"



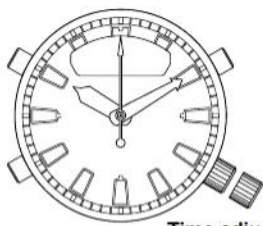
### [How to set the digital time]

- (1) Press button **M** to set Time/Calendar Mode.
- (2) If you press button **B** down for 2 seconds or more, the seconds display flashes and you get the Time/Calendar Mode correction state.
- (3) Press and release button **A** to reset seconds to 0 and restart.
  - When the seconds show from 30 thru 59, the minute display is increased by 1.

- (4) Each time button **B** is pressed, the part of the display which flashes changes from Seconds  $\Rightarrow$  Minutes  $\Rightarrow$  Hours  $\Rightarrow$  12H/24H  $\Rightarrow$  Month  $\Rightarrow$  Date  $\Rightarrow$  Year. Select the one you want to change.
- (5) Press button **A** to correct the flashing figures.
  - You can adjust quickly by holding button **A** down.
  - Each time you press button **A** when 12H/24H is shown, the display changes.
- (6) Press button **M** to finalize setting.

- The year can be set from 1996 - 2099.
- When 12H is displayed, be careful whether the time is morning (A) or afternoon (P).
- If the watch is left alone for 3 minutes in the correction state with the display flashing, that correction state is automatically cancelled and the watch returns to the normal Time/Calendar Mode.
- If you press button **M** in the correction state with the display flashing, the watch returns to the normal Time/Calendar Mode.
- The calendar is an auto-calendar which automatically changes from the last day of one month to the 1st day of the next month.

## E. HOW TO SET THE ANALOG TIME



Time adjusting position

### [Setting the analog time]

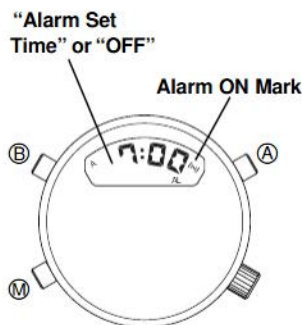
- (1) Loosen the screw of the crown and pull it out so that the second hand stops in the "0" position.
- (2) Turn the crown to set the time.
- (3) When the seconds on the digital time display read "0", push the crown in to start the hands.
- (4) After setting the time, always lock the crown.

### Screw Lock Crown

- When operating the crown, loosen the crown's screw first.
- Return the crown to its normal position after operation, and always lock it.
- Do not operate any button when the crown is pulled out.
- Do not operate the crown when there are drops of water on the watch or when it is underwater. Water can get inside the watch and result in malfunction and damage.

## F. HOW TO USE THE ALARM

Once the alarm has been set, it will sound every day at the set time for 15 seconds. However, it will not sound in Diving Modes. The alarm sound can be stopped by pressing any button.



### < Setting the alarm time >

- (1) Press button **(M)** to set the Alarm Mode.
- (2) If you press button **(B)** for 2 seconds or more, the hour display flashes on and off and the watch is in the alarm time adjustment state.
- (3) Press button **(A)** to adjust the hour display. (The flashing figures can be adjusted.)
- (4) If you press button **(B)**, the figures which are flashing change to the minute display.
- (5) Press button **(A)** to adjust the minute display. Keep the button **(A)** pressed down to adjust quickly.
- (6) Press button **(B)** or button **(M)** to return to the normal display. Alarm time setting is now completed.

#### < Alarm ON/OFF >

Switch the alarm on or off by pressing button (A).

- Alarm ON ... The alarm set time and the alarm ON mark ((••)) appear on the digital display.
- Alarm OFF ... OFF appears on the digital display.

#### < Alarm monitor >

When the alarm display is normal, press button (A) to check the alarm sound.

- \* If the watch is left alone for about 3 minutes in the alarm time correction state (flashing display), the alarm time correction state is automatically cancelled and the watch returns to the alarm's normal display.
- \* If the watch is left alone for about 3 minutes in the alarm's normal display, it automatically returns to the Time/Calendar Mode.

## G. HOW TO USE THE CHRONOGRAPH

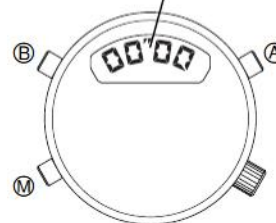
The chronograph can measure up to a maximum of 99 minutes 59 seconds in units of 1/100 second.

When it gets to 100 minutes, it returns to the reset display (0 seconds) and stops.

Display during measurement

- Within 1 minute ... "Seconds and 1/100 Second" are displayed.
  - 1 minute or more ... "Minutes and Seconds" are displayed during measurement.
- ... When measurement is stopped, or when the split time is shown, the display alternates every second between "Minutes and Seconds" and "1/100 Second".

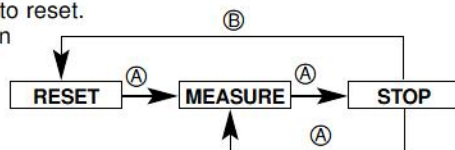
"Seconds and 1/100  
Seconds" or  
"Minutes and  
Seconds"



**< Accumulated time measurement >**

- (1) Press button (A) to start or stop.
- (2) When stopped, press button (B) to reset.

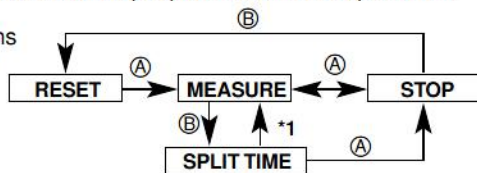
- There is a confirmation beep upon start, stop or reset operations.



**< Split time measurement >**

- (1) Press button (A) to start or stop.
  - (2) Pressing button (B) during measurement displays a split time for about 10 seconds \*1. (SP flashes on the display when a split time is being shown.) You can make repeated split time measurements.
  - (3) When stopped, press button (B) to reset.
- There is a confirmation beep upon start, stop, split time or reset operations.

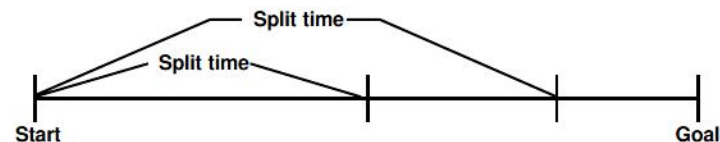
\*1: The watch automatically returns to the measuring display after 10 seconds.



**< Switching modes during chronograph measurement >**

Measurement continues even if you press button (M) during chronograph measurement and switch to another mode. It is therefore possible to return to the chronograph again to show the continued measurement. However, if you switch to the Dive Mode of the Diving Modes, chronograph measurement is cancelled and the watch returns to the reset display.

Split time: The time elapsed from the start.



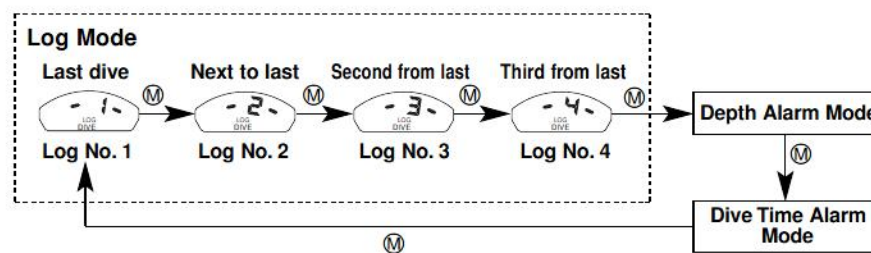
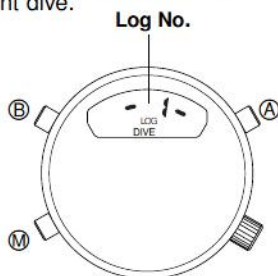
\* If the watch is left for about 3 minutes in Chronograph Mode in the reset state, it automatically returns to the Time/Calendar Mode.

## H. HOW TO USE THE LOG MODE

When you switch to Dive Mode and start diving, this watch automatically records the log data (log no., date, dive start time, maximum depth and dive time) for the 4 most recent dives. You can recall this log data after the dive.

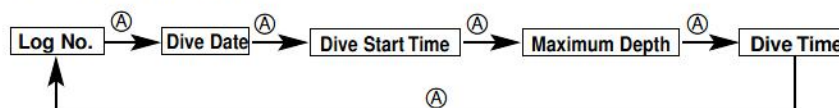
### < Switching the Log No. >

- (1) In any of the Time Modes, press button **M** for 2 seconds or more to set the Log Mode.
- (2) Each time button **M** is pressed, you can recall the log data of the last 4 dives in reverse order starting from the most recent dive.
  - If you press button **M** again when Log No. 4 is displayed, the watch will change to Depth Alarm Mode.



### < Recalling log data >

Each time you press button **A** when the log no. is displayed, the following log data appears in this order.



- If there is no log data recorded, “----” appears on the Log No. display when you press button (A).
- When the abnormal depth alarm (“ER” is displayed) is activated during a dive, the maximum depth data flashes on the display.
- If something goes wrong with the pressure sensor, “Log No.” and “ER” are alternately displayed when you recall the log data.
- When you start a new dive, the log data of the oldest of the 4 dives recorded is automatically erased. You should record any data you may need in a log book before it is erased.
- If the watch is left for about 1 hour in Log Mode, it automatically returns to the Time Modes.

**< Explanation of log data terms >**

1. Log No.: The number which shows the sequence in which log data was taken.  
The most recent log data is No. 1, and the log no. of the oldest dive is No. 4.
2. Dive Date: The date the dive took place.
3. Dive Start Time: The time at which diving at a depth of 1 m (4ft) or more began.

4. Maximum Depth: The greatest depth reached during that dive.
5. Dive Time: The total time spent at a depth of 1m (4ft) or more during that dive.

If you come up to a depth within 1m (4ft) but dive back down to a depth of 1m (4ft) or more within 10 minutes, the dive time is continued from the moment it stopped.

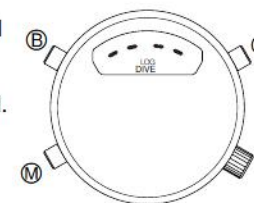
- The measurement displayed is up to a maximum of 399 minutes. (Measurement is displayed in units of 1 second up to 99 minutes 59 seconds, then in units of 1 minute). It then starts over again from 0 seconds.

\* If you dive at a depth within 1m (4ft) for more than 10 minutes and then dive back down to a depth of 1m (4ft) or more, the watch will consider this as a second dive and record the log data of two separate dives.

**< Cancelling log data - when you want to cancel all recorded log data >**

If you press button (B) for 2 seconds or more while pressing button (A), all log data (of 4 dives) is cancelled. There is a confirmation beep when this happens.

\* You cannot cancel data items separately.



## I. HOW TO USE THE DEPTH/DIVING TIME ALARM

There are the following 2 alarm functions in this watch's Diving Modes.

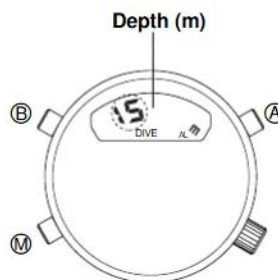
- ① Depth alarm function:
- Set range: 1m-80m/5ft-260ft (1m/5ft units)
  - The alarm sounds for 15 seconds when you reach the set depth while diving.  
After the alarm sounds once, if you continue diving deeper than the set depth then the alarm repeatedly sounds for 15 seconds every 1 minute.  
If you return to a shallower point than the set depth, the alarm stops.

- ② Diving time alarm function:
- Set range: 5-310 minutes (5 minute units)
  - The alarm sounds for 30 seconds when you exceed the set time after the dive starts.  
\* This alarm only sounds once.

☆ You can stop both the depth alarm and the diving time alarm by pressing button (A).

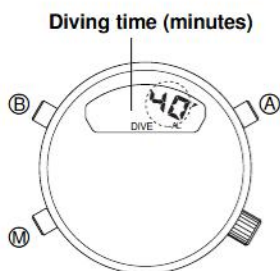
\* In addition, this watch has a ascending speed warning function which alarm sounds for 10 seconds to warn you if the ascending speed exceeds 1.5m (5ft) in 10 seconds.  
\* Be careful when using the various kinds of alarms because their sound might be difficult to hear depending on the surrounding circumstances (such as the sound of bubbles) or the way the watch is carried.

### 1. HOW TO SET THE DEPTH ALARM



- (1) Press button (M) to switch to the Depth Alarm Mode. The depth display flashes on and off.
- (2) Press button (A) to display the depth at which you want the alarm to sound. Depth alarm setting is now completed.  
Each time you press button (A), you can adjust the depth in increments of +1m (5ft) from 1 → 2 → 3 ... 79 → 80 → -- → 1 ... (5 → 10 → 15 ... 255 → 260 → ... 5)  
You can adjust quickly by keeping button (A) pressed down.  
\* Display "--" for the depth alarm not to sound.

## 2. HOW TO SET THE DIVING TIME ALARM



- (1) Press button **M** to switch to the Diving Time Alarm Mode.  
The diving time display flashes on and off.
- (2) Press button **A** to display the time when you want the alarm to sound. The diving time alarm setting is now completed.  
Each time you press button **A**, you can adjust the diving time in increments of 5 minutes from 5 ➔ 10 ... 305 ➔ 310 ➔ -- ➔ 5 ...  
You can adjust quickly by keeping button **A** pressed down.  
\* Display "--" for the diving time alarm not to sound.

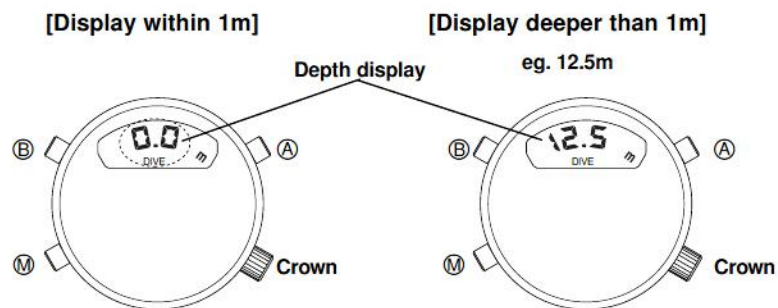
### [Diving alarm monitor]

In Depth Alarm Mode or Diving Time Alarm Mode, if you keep button **B** pressed down while pressing button **A**, you can make the different alarms sound repeatedly for 4 seconds each in this sequence: depth alarm ➔ diving time alarm ➔ ascending speed warning alarm.

## J. HOW TO USE THE DIVE MODE

Pressing button **B** when in any of the Diving Modes (Log Mode, Depth Alarm Mode and Diving Time Mode) switches the watch to Dive Mode.  
If you switch to this mode before diving, the depth measurement is always displayed during the dive. You can also check the diving time and the maximum depth by button operation during the dive.

The surrounding pressure when this watch is switched from Time Modes to Diving Modes is set to 0m (0ft) as the depth measurement standard. Therefore, if there is an extreme change in atmospheric pressure after selecting Diving Modes and before actually diving, the display may be different from the actual depth. In order to carry out correct depth measurement, switch to Diving Modes just before diving.



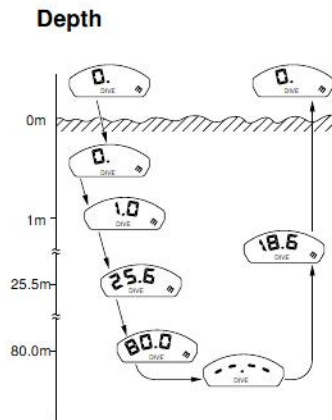
☆ If you press button **A** while diving, the diving time is displayed for 2-3 seconds. If you press button **A** again while the diving time is displayed, the maximum depth is displayed for 2-3 seconds.

\* Never operate the crown or any push button except button **A** during a dive. This will impair the water-resistance of the watch.

#### < Dive Mode end >

- When the depth display is 0.0m/0ft (within 1m/4ft), pressing button **B** for 2 seconds or more switches the watch to Log Mode.
- When the depth display is 0.0m/0ft (within 1m/4ft), pressing button **M** for 2 seconds or more switches the watch to Time Modes.
- If the watch is left for about 1 hour with the depth display at 0.0m/0ft (within 1m/4ft), it automatically switches to Log Mode.

## 1. DEPTH METER DISPLAY



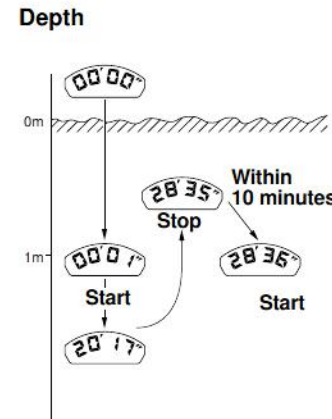
The first water depth measurement is taken at 1.0m (4ft.) and displayed; measurement is done every second and is displayed.  
 Unit of water depth measurement ... 0.1m (1ft)  
 Measurement range ... 1.0m - 80.0m (4ft - 260ft)

When water depth is within 1.0m (4ft):  
 display reads 0.0m (0ft)  
 When water depth is over 80.0m (260ft):  
 display reads ---

When ER and the depth are alternately displayed during a dive...

This indicates that there is something wrong with the depth measurement.  
 ER and the depth are alternately displayed until Dive Mode is ended.

## 2. DIVING TIME MEASUREMENT



Diving time measurement automatically starts when the depth measurement is 1.0m (4ft) or deeper, and stops when the depth measurement is within 1.0m (4ft).  
 However, if the depth returns to 1.0m (4ft) or deeper within 10 minutes, measurement of the diving time continues to be displayed from the point when it was stopped.

Diving time measurement:  
 within 100 minutes: minutes and seconds  
 100 minutes or more: minutes

[up to 99 minutes 59 seconds] [100 minutes or more]



Diving time display range:

0 minutes 00 seconds - 399 minutes

Diving time measurement range:

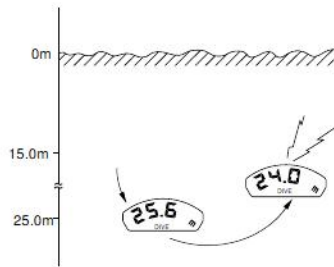
0 minutes 00 seconds - 400 minutes (repeated)

## K. THIS WATCH'S WARNING FUNCTIONS

This watch has the following 2 warning functions.  
Please use them as a guide for safe diving.

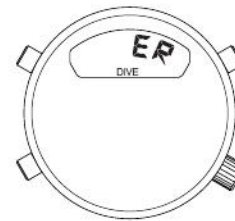
### 1. ASCENDING SPEED WARNING FUNCTION

If the ascending speed during a dive exceeds 1.5m (5ft) per 10 seconds, this alarm sounds for 10 seconds as a ascending speed warning. When the ascending speed warning alarm is sounding, the digital display alternately shows SLW and the current depth. The alarm continues to sound until the ascending speed becomes normal.



### 2. ABNORMAL DEPTH WARNING FUNCTION

During water depth measurement, the watch recognizes a sudden change in depth of 4m (15ft) in 1 second as abnormal, and ER and the current depth alternately appear on the digital display. ER and the current depth are alternately displayed until Dive Mode ends.



## L. IN CASE OF THE FOLLOWING

### [The second hand moves at 2-second intervals]

The battery is nearing the end of its life, and the low battery warning device is working.

When this happens, replace the battery as soon as possible.

(Even when this happens, the watch still keeps the correct time.)

Note that the following cannot be done when the watch is in this state.

1. The alarms do not sound.
2. You can switch to Diving Modes, but not to Dive Mode.
3. If this function is activated with the depth measurement display, the diving alarm will not sound. If this happens, stop diving.

**Request battery replacement by Citizen at the place of purchase or send directly to a Citizen Service Center.**

### [When ER (error) is displayed during use]

- When ER is displayed during use on land or when the watch is switched to Diving Modes.
- When the ER display is not cancelled even a long time after a dive is finished.

In the above cases, there might be something wrong with the pressure sensor.

In such a case, stop using the watch and consult someone at the place of purchase or your nearest Citizen Service Center.

### [You cannot switch to another mode from Dive Mode]

If there is a pressure change of 1m/4ft or more while in Dive Mode in an environment where pressure changes occur for short periods of time (high altitude, in the airplane), the water depth measurement display does not return to 0.0m (0ft) even when you land, and you might be unable to cancel Dive Mode.

If this happens, pull out the crown and Dive Mode will be cancelled.  
If you cancel Dive Mode in this way, the log data will not be recorded.

### [If the watch's display or operation is abnormal]

If a strong impact or strong static electricity is applied to the watch, abnormal display or operation (such as the digital display malfunction or the alarm continuing to sound) might occur on a rare occasion.

If this happens, carry out "M. ALL RESET".

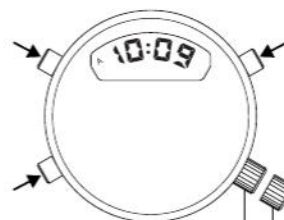
### [After battery replacement]

After replacing the battery, always carry out procedures in "M. ALL RESET". If you do not, the watch may not work correctly.

## M. ALL RESET



All Reset cancels all stored data, so please record any necessary data in a logbook beforehand.



- (1) Pull the crown out.
- (2) Press all three buttons simultaneously, then release them.
- (3) Push the crown in to its normal position.  
There will be a confirmation beep.  
All data is erased after All Reset, so set each mode again correctly before use.

All Reset operation position

Normal position

## N. BATTERY

### ① Battery life

The life of the battery is about 2 years after installation.

#### < Approximate conditions of use >

Time alarms: 15 seconds/day

No. of dives: 50 dives/year (time of 1 dive: 1 hour)

- Depth alarm ... 45 seconds/dive
- Diving time alarm ... 30 seconds/dive

The life of the battery may be shorter depending on how much the alarms, chronograph, etc. are used and depending on the number of dives and the time of each dive.

### ② The first battery

The battery already installed in the watch when you purchase it is a monitor battery for looking at the functions and performance.

This battery might run out within 2 years of purchase.

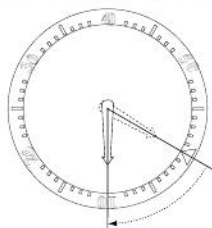
### ③ Battery replacement

- (1) All battery replacement comes under Citizen Service Center repairs, so request it at the place of purchase or send directly to a Citizen Service Center.
- (2) Checks such as a water-resistance inspection and any necessary packing replacement are carried out during battery replacement.
- (3) All the log memo, from the maximum depth memo onwards, is erased by battery replacement, so record it beforehand in a logbook.
- (4) If a battery that has reached the end of its life is left in the watch, it will cause damage by leaking. You are advised to replace the battery immediately.
- (5) If you use the watch abroad for a long time, you may not be able to receive after-sales service, depending on the location, so you are advised to replace the battery before you leave.
- (6) You are charged for battery replacement and the accompanying inspection and parts replacement even within the warranty period.

## O. OTHER FUNCTIONS

### 1. REGISTER RING

The register ring means the rotating bezel fitted around the watch body.



Time elapsed: 10 minutes

- This is used when measuring elapsed time or time remaining.

#### < Using the register ring >

Before starting a dive, rotate the register ring to the left so that the ▽ mark is lined up with the minute hand. You can know the elapsed time from that point by reading what the minute hand indicates on the scale on the register ring.

Example: In the diagram on the left, the register ring indicates that 10 minutes have elapsed from the start of the dive (from the ▽ mark position).

#### ⚠ CAUTION

- The register ring can only be rotated in a counterclockwise direction in order to prevent operation error. Trying to force the register ring to rotate in a clockwise direction will damage it.
- When you use the register ring, allow some leeway in the set time and always use it as an approximate guide.

### 2. NO DECOMPRESSION LIMITS

The range of time when it is unnecessary to stop to decompress while surfacing from a dive is determined by the depth and time of the dive.

These values are referred to as "No Decompression Limits." Use these as estimates when diving.

No Decompression Limits, based on the U.S. Navy Diving Manual (1993), are printed on the band of this watch. (Some models may not have this chart.)

#### <Reading the chart>

DEPTH. m	-	N.D. TIME
12 m (40ft)	--	200 Min.
15 m (50ft)	--	100 Min.
18 m (60ft)	--	60 Min.
21 m (70ft)	--	50 Min.
24 m (80ft)	--	40 Min.
27 m (90ft)	--	30 Min.
30 m (100ft)	--	25 Min.
33 m (110ft)	--	20 Min.
36 m (120ft)	--	15 Min.
39 m (130ft)	--	10 Min.
42 m (140ft)	--	10 Min.
45 m (150ft)	--	5 Min.

No Decompression Limits	
DEPTH. M	N.D. TIME
12	200
15	100
18	60
21	50
24	40
27	30
30	25
33	20
36	15
39	10
42	10
45	5







**Caution:** The no decompression limit is different depending on body condition or personal differences. Please use the no decompression limits on this watch as a guideline. When a dive requires no decompression limits, make sure you follow a specialized divers manual.

**Example:** If the diver is at 21m (70ft.) for 50 minutes or less, then it is OK to surface without stopping to decompress.

\* This No Decompression Limits table is for 1 dive.

## P. CARE OF YOUR WATCH

### Water-resistance

Indication		Water-related use					
Dial	Case back	 washing face or getting wet in the rain, when splashed over it and no water pressure is applied to it	 swimming and general washing work (kitchen work/car washing, etc)	 water sports and skin diving (without air tank)	 scuba diving (with air tank)	 saturated diving (helium gas)	 pulling the crown out when the watch is wet
WATER-RESIST 200 m	WATER-RESIST (ANT)	OK	OK	OK	OK	NO	NO

#### 1. Notes on Water-Resistance

- This diver's watch has the water-resistant construction for diving up to 200m and withstands water pressure up to 200m deep. The crown is screw-lock type. Tighten the screw completely before use.
- All maintenance services including battery replacement must be carried out by a Citizen Service Center.
- Subject the watch to a water-resistance check at the time of battery replacement or every one or two years to maintain the water-resistance of the watch

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#### 2. Pressure Sensor

- Never disassemble the sensor cover which protects the pressure sensor.
- Be careful that foreign objects such as sand, dust or other matter does not enter into the sensor. If such objects have entered into the sensor, wash it away with fresh water. Do not use alcohol, gasoline, thinner or other chemical substances.
- If you cannot clean the sensor, take the watch to a Citizen Service Center.

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### 3. Watch Band

- If the watchband shows cracks, replace it with a new band.
- When replacing the watchband also replace the spring bars connecting the watch and the band.

### 4. Water resistance

- This diver's watch is designed to resist water pressure to a maximum depth of 200 meters. Before using this watch under water, push the crown in and tighten the screw lock completely.
- All services after sale including battery replacement are provided by the Citizen Service Center. Never have the case back opened or the screws on the sensor loosened at facilities other than the Citizen Service Center.
- In order to maintain water-resistance, we recommend that you have the watch checked at the Citizen Service Center at the time of battery replacement once every one or two years.

- The case back is marked "DO NOT OPEN. SERVICE CENTER REPAIR ONLY."



### 5. Temperature

Avoid exposing the watch to direct sunlight or leaving it in extremely hot or cold locations for a long period of time.

- This will cause malfunctioning and shorten the life of the battery.
- This may cause your watch to gain or lose time and affect its other functions.

### 6. Shock

- This watch will withstand the bumps and jars normally incurred in daily use and while playing such non-contact sports as golf and catchball.
- Dropping the watch on the floor or otherwise imparting severe shock to it may cause malfunctioning or damage.

### 7. Magnetic Fields

This watch is antimagnetic up to 60 gauss and not affected by the magnetic fields produced by ordinary household electric appliances. If used in the immediate vicinity of strong magnetism, however, the watch's functions may temporarily be affected.

### 8. Static electricity

The integrated circuits used in the watch are sensitive to static electricity. If exposed to intense static electricity, the watch's display may lose its accuracy.

### **9. Chemicals and Gases**

Avoid wearing the watch in the presence of strong chemicals or gases. If the watch comes in contact with such solvents as thinner and benzine or products containing materials such as gasoline, nail polish, detergent or adhesive, its components may discolor, dissolve or crack. Be especially careful to avoid chemicals. The watchcase or band may discolor if they come in contact with mercury from a broken thermometer or other equipment.

### **10. Luminous Display**

In some watches, Luminous paint is applied to the hands of the watch for use in dark areas. This does not cause any health problems since the amount of luminous paint used in the watch is well within the limit allowed and is protected by the glass. Even if the amount used is extremely small, luminous paint is a hazardous substance. If the glass is broken, avoid touching the paint and bring it immediately to the Citizen Service Center for repair or replacement.

### **11. Safekeeping**

If you do not use the watch for an extended period of time, wipe off perspiration, soil and moisture thoroughly and keep it in a place not exposed to extremely high or low temperatures or high humidity. Don't leave a dead battery in the watch for a long time. Always be sure to replace it with new one. If battery fluid leaks out, it may damage movement components.

### **12. Keep Your Watch Clean**

Wipe off soil and moisture from the glass with a soft, absorbent cloth. If you wear the watch when the back side of the case and watchband is soiled they may cause a skin rash as they come in direct contact with your skin. Keep your watch clean also to avoid staining your cuffs. How to clean the watchband:

- Metal band Wash soiled parts with a tooth brush in mild, soapy water.
- Rubber band Wash in water.

Do not use solvent.

## Q. SPECIFICATIONS

1. Model  
C520 (depth indication is in meters)  
C526 (depth indication is in feet)
2. Accuracy of time measurement  
average  $\pm 20$  seconds/month (at normal temperature  
5°C - 35°C/41°F - 95°F)
3. Accuracy of depth measurement  
 $\pm$  (3% of indicated value + 30cm/1ft)  
when used at a constant temperature.  
\* Assured accuracy temperature range: 10°C -  
40°C/50°F - 104°F  
Accuracy of depth measurement is affected by  
changes in the surrounding temperature.  
-10°C - 60°C/14°F - 140°F
4. Watch operation temperature range
5. Display functions
  - 1) Analog display  
Time: hours, minutes, seconds
  - 2) Digital display  
Time: [hours, minutes] and [seconds] (switch display)  
Calendar: [Date, day of the week] (year and  
month displayed only during adjustment)  
Alarm: hours, minutes/OFF

Chronograph: minutes, seconds, 1/100 seconds, split  
time, (100 minutes system)

Log Memo:

Log No. ... 1 - 4

Dive date ... month, date

Dive start time ... hours, minutes

Maximum depth ... 1.0 - 80.0m (4ft - 260ft)

\* 0.0m (0ft) displayed within 1.0m/4ft, ---m/---ft  
displayed over 80.0m/260ft.

Diving time ... 00 minutes 00 seconds - 399 minutes

\* Stored log data memos for the last 4 dives can be  
recalled.

Dive Mode:

Depth measurement display ... 1m - 80m/4ft - 260ft  
(0.1m/1ft units)

\* ---m/---ft displayed over 80.0m/260ft.

Diving time measurement ... 400 minute measurement  
(1 second units)

\* From 100 minutes to 399 minutes, display is in 1  
minute units.

6. Additional functions
7. Battery to be used
8. Battery life
- Depth alarm ... 1m - 80m/5ft - 260ft (1m/5ft units)  
Diving time alarm ... 5 minutes - 310 minutes (5 minute units)
- Ascending speed warning function
  - Abnormal depth warning function
  - Low battery warning device
  - Diving alarm monitor
- 1 lithium battery
- approximately 2 years (after installation of a new battery)
- < Approximate conditions of use >  
Time alarms: 15 seconds/day  
No. of dives: 50 dives/year (time of 1 dive: 1 hour)
- Depth alarm ... 45 seconds/dive
  - Diving time alarm ... 30 seconds/dive

\* Specifications are subject to change without notice.