OPERATING ALTIMETER

This unit has a relative altitude measuring function. It detects variations in atmospheric pressure via a built-in pressure sensor, then uses the reference model of the Standard International Atmosphere to convert the variations of pressure into altitudes.

*The difference between the atmospheric pressure measurements at the reference altitude setting and point of actual measurement.

About two seconds after changing to the altimeter mode, automatic measurement starts. About the first five minutes, the altitude is measured every nine seconds. Therefore, it is measured every minute. Altitude is displayed in increments of five meters (20 feet) over a range of -4,000 to +4,000 meters (-13,120 to +13,120 feet). Press $@$ for spot measurement.

The display will automatically return to the time display if left unused for an hour.

SETTING A REFERENCE ALTITUDE

When adjusting the altimeter using a precision altimeter or standard altitude indicator or when resetting the starting point of measurement at 0 meter to measure the relative altitude, proceed as follows:

1) Press and hold $@$ to start the display flashing.
2) Each push of $@$ increments flashing digit by 5 meters (20 feet).
3) Press $@$ to decrement. Hold pressed to move quickly.
4) To reset a reference altitude to 0 meter, press $@$ and $@$ simultaneously.
5) Press and hold $@$ to complete setting.

The $@$ button must be fully pressed and held for more than one second.

* A reference altitude can be set from 0 to -4,000 meters to +13,120 feet.
* Display automatically returns to the altimeter mode if left unused for a few minutes.

USING ALTITUDE ALARM

The altitude alarm sounds for five seconds at the preset altitude.

1) When you have reached 130 meters from the 0 meter level.
2) When the altimeter is set at 130 meters.
3) When you have passed the point which altitude is 200 meters.
4) When the altitude alarm is set at 200 meters.

SETTING ALTITUDE ALARM

1) Press and hold $@$ to start the display flashing.
2) Press $@$ to move to the altitude alarm mode.
3) Each push of $@$ increments flashing digit by 5 meters (20 feet).
4) Press $@$ to decrement. Keep pressed to move quickly.
5) Press and hold $@$ to complete setting.
6) To deactivate the altitude alarm, set it to "--.--m" (OFF) when presenting the altitude.
7) To stop beeper, press any button. At the same time, the altitude alarm is deactivated.
8) To reactivate, follow procedure for "setting altitude alarm".

The $@$ button must be fully pressed and held for more than one second.

OPERATING BAROMETER

The barometer digitally shows the atmospheric pressure detected by a built-in pressure sensor.

MEASURING ATMOSPHERIC PRESSURE

About two seconds after the watch is changed to the barometer mode, the barometer automatically starts measurement.

For the first five minutes, atmospheric pressure is displayed every nine seconds, and thereafter, every minute. Atmospheric pressure is indicated in increments of one mb over a range from 610 to 1,050 mb.

Press $@$ for spot measurement.

The $@$ button must be fully pressed and held for more than one second.

* The display will automatically return to the time display if left unused for half an hour.
* If the atmospheric pressure exceeds the measuring range, the display indicates "FULL".

SETTING REFERENCE ATMOSPHERIC PRESSURE

WARNING: The reference atmospheric pressure has been set to the correct value at the factory. No further adjustment is needed. Should the reference atmospheric pressure be incorrectly, measurement will be inaccurate. The barometer must be adjusted with the aid of a precision barometer.

Set the reference atmospheric pressure as follows:
1) Press $@$ while holding $@$ in the barometer mode to set the reference atmospheric pressure. Now, the display shows 1,013 mb.
2) Each push of $@$ increments the atmospheric pressure one mb, and each push of $@$ decrements by one mb.
3) Press and hold $@$ to complete setting.
4) Reference atmospheric pressure ranges from 600 to 1,099 mb.
5) Display automatically returns to the barometer mode if unused for a few minutes.

The $@$ button must be fully pressed and held for more than one second.
**OPERATING DEPTH METER**

The relative water depth measuring function in this unit converts the variations in atmospheric pressure detected by the pressure sensor into water depth. Note that the depth meter is designed for saltwater use. In fresh water, the correct water depth is the displayed value multiplied by 1.025.

- The difference between the water pressure measurements made at sea level and at an actual measuring point.

**MEASURING WATER DEPTH**

About two seconds after the watch is set to the depth meter mode, automatic measurement starts. Thereafter the depth is measured every three seconds. The water depth is displayed in meters or feet in increments of 0.1 meter (1 foot) over a range of 0 to 30 meters (0 to 98 feet). Less than one meter is rounded off to 0.

- Always reset the water depth to 0 after selecting the depth meter mode. If necessary, press and at the same time to do this.
- Except for a water depth of 0 meter, the mode cannot be changed by pressing during measurement.
- When the actual water depth exceeds the measuring range, the display shows "FULL".

**USING DEPTH ALARM**

The depth alarm sounds for five seconds at the preset depth.

1. Press and hold to start the display flashing.
2. Each push of increments the depth one meter (one foot) and each push of decrements by one meter (one foot). Keep pressed to move quickly.
3. Press to complete setting.

4. To deactivate the depth alarm set it to "OFF" when presetting the depth interrupting the depth alarm while it is sounding clears the depth setting. To reset, use the above procedure.

**SELECTING METERS OR FEET**

The depth meter measures water depth in meters or feet. Once the unit is selected, altitude and water depth are displayed in that unit.

1. Press and hold to start the display flashing.
2. Press to move the M/F selection mode.
3. Press or to select meters (M) or feet (F).
4. Press to complete setting.

**MAXIMUM WATER DEPTH MEMORY**

For depths over one meter, the maximum water depth that the depth meter has measured is stored automatically.

Press in the depth meter mode to view the maximum water depth.

The maximum depth memory is cleared when and are pressed at the same time or when another measurement is made after the mode is changed.

**ERROR PREVENTION FUNCTION**

Should correct measurement be impossible due to a faulty sensor, incomplete contact, a dead battery or voltage drop due to low temperature, the display stops measuring and cycles as shown:

Sensor trouble

Under bad conditions

When this display appears, only is operable, and the alarm won't sound. If sensor trouble is suspected take your watch to your Casio dealer without delay. When the "HELP" display disappears due to a rise in temperature, measurement is again possible, but it's advisable, to have a Casio dealer check the batteries.

The button must be fully pressed and held for more than one second.

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**OPERATING DAILY ALARM**

Beepers sound for 20 seconds at preset time every day until cleared when daily alarm is set. Press any button to stop beeper. Signal sounds every hour on the hour if time signal is set.

**SETTING DAILY ALARM**

1. Press and hold in the alarm mode to set the new time.
2. Each push of increments flashing digits one by one. Press to decrement. Keep pressed to move quickly.
3. Press to shift flashing digits. Digits to be changed will flash.
4. Press and hold to complete setting.

**SETTING DAILY ALARM AND TIME SIGNAL ON/OFF**

Press

**SETTING DIGITAL TIME/CALENDAR**

1. Press and hold in the time display mode to set the time.
2. Press to on a time signal to correct seconds.
3. Press to shift flashing digits.
4. Each push of increments the digits by one. Press to decrement. Keep pressed to move quickly.
5. Press and hold to complete setting.

**SETTING ANALOG TIME**

1. When the second hand is at 12 o'clock, stop it by pulling out the crown.
2. Turn the crown to set the time.
3. Press the crown in on a time signal.

A gain or loss of one second or less may result due to the inherent properties of mechanical parts.
OPERATING COUNCDOWN ALARM

Countdown is settable from 1 second to 24 hours (display shows 0:00:00), and times to an accuracy of one second.

Start/stop operation is possible by pressing and is confirmed by a signal. To cancel countdown, press when the countdown is stopped. When the display reaches zero, beeper sounds for 10 seconds until any button is pressed.

SETTING COUNCDOWN TIME

1) Press in countdown alarm mode to set new time.
2) Press to increment digits and to decrement. Keep pressed to move quickly.
3) Press to shift flashing digits.

Press to complete setting.

REPEAT FUNCTION

Pre-entered time is retrieved when display reaches zero.

* Display automatically returns to initial countdown alarm mode if unused for a few minutes.

The button must be fully pressed and held for more than one second.

OPERATING STOPWATCH

A signal confirms start/stop and split/reset operation.

Total elapsed time display is limited to 23 hours 59 minutes 59.99 seconds. For longer time, reset and start again.

a) Net time measurement

b) Split time measurement
c) 1st-2nd place time measurement