

# Multifunctional Wrist Digital Altimeter



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## MODEL NO. SR-208

Congratulations! Thank you for purchasing SR-208 multifunction digital altimeter. It is a multifunction ideal altimeter for hiking, climbing and outdoor activities. This multifunction digital altimeter is designed to deliver extensive, accurate and vital information with an altimeter, barometer, thermometer, compass, weather forecast and time display. It is designed multipurpose. You can wear it on wrist relaxing when traveling at outside, put it on mobile holder when driving in car. You can also fix on bicycle with its' accessory. It can serve for you timely during your traveling.

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## FEATURES:

### Altimeter:

- Range from -2,296 feet to 29500 ft.
- Resolution of 1 meter or 3 ft.

### Barometer:

- Range from 300mbar to 1100mbar
- Resolution of 1mbar.
- Adjustable sea level pressure to set reference altitude

## Digital Compass:

- 4-bearing mode display
- External magnetic field calibration
- Magnetic declination setting
- High accuracy,  $\pm 3$  degrees
- Resolution of + or - 1 degree

## Thermometer:

- Thermometer from  $-10^{\circ}\text{C}$  to  $+60^{\circ}\text{C}$  ( $^{\circ}\text{C}$  or  $^{\circ}\text{F}$  selectable)
- Resolution of  $1^{\circ}\text{C}$

## Weather forecast:

- The weather forecast for next 12 to 24 hours
- 4 weather status indicating,  
Sunny-Slight sunny-Cloudy-Rain

## Time:


- Time with hour, minute, second
- 24h format clock display

## Backlight:

- 5 seconds super bright LED backlight.



## ◆ Altimeter


Press MODE to select altimeter mode, there will be  below ALTI. Weather forecast and altitude will be displayed on screen. Under this mode, press MODE two seconds, the altitude can switch M or FT. Press SET to exit this mode.

**PS 1.** Press SET can enter into altimeter mode immediately when you need measure altitude timely. Under this mode, press MODE shortly, it can measure altitude again. Press MODE two seconds, the altitude can switch M or FT. Press SET to exit this mode.

**PS 2.** Setting sea level pressures can set reference altitude indirect.




## ◆ Barometer


Press MODE to select barometer mode, there will be  below BARO. Weather forecast and atmospheric pressure will be displayed on screen. Under this mode, press MODE two seconds, it will take atmospheric pressure sample to correct altitude and it will be switched altimeter automatically. Press SET to exit this mode.



## ◆ Thermometer

Press MODE to select thermometer mode, there will be  below TEMP. Weather forecast and temperature will be displayed on screen. Under this mode, press MODE two seconds, the temperature can Switch °C or °F. Press SET to exit this mode.

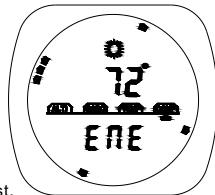
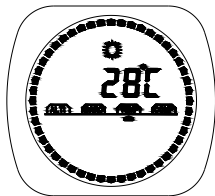
## ◆ Digital compass

Press MODE to select digital compass mode, there will be  below COMP. Weather forecast, compass direction, angel, and 4 bearings will be displayed on screen. The clockwise order of 4 bearings are east, south, west and north. Three points on screen indicate north.

**PS 1.** For example “ENE” display, the 1<sup>st</sup> “E” shows that your target direction approaches East. 2<sup>nd</sup> and 3<sup>rd</sup> “NE” shows that the target direction is between North and East. “72” shows that the clockwise angel between target dirction and three-indicator is 72.

**PS 2.** When you need compass work on vertical, please open battery holder, adjust the switch to the left. When you need compass work on horizontal, please adjust this switch to right. To ensure the measuring accuracy, you should correct compass again after you change work condition. Please reference User Setting for detail correct method. We suggest compass works on vertical when you install in the car, horizontal when you install on bike or wear on wrist.

**Remark:** “N” --- North, “W” --- “West”, “S” --- “South”, “E” --- “East”. The straight ahead is your target direction.



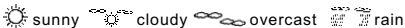
## ◆ Time

### • Time Display:

It is time display when electricity is laid on. Weather forecast will be displayed on the top, hour and minute will be displayed at the middle and second will be at the bottom.

### • Weather forecast display:

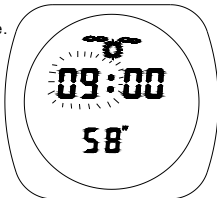
The initial state defaults to cloudy. Weather forecast have four states,



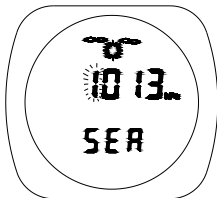
## ◆ User Setting

Press 2 seconds under time mode to enter into user setting mode. Under this mode there will be time setting, sea level pressure setting, weather forecast setting, magnetic declination setting and compass calibration etc. Keep 20 seconds it will return back to original mode automatically when finish setting. You can also press MODE again to return back.

• **Time setting:** Press MODE to select object, the object will be flash. Press SET to set them.



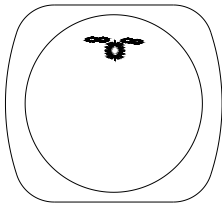
• **Sea level pressure setting:** Press MODE to enter this mode, there will be words of "SEA" on screen. Press MODE to select object, the object will be flash. Press SET to set them.



• **Weather Forecast Setting:** Press MODE to enter this mode, Press SET to set the weather according the actual weather.

**Remark:**

1. Don't set it at raining day.
2. Don't set it night.
3. The accuracy is about 70% to 75%.
4. Weather forecast only forecast coming 12 hours to 24 hours weather, it is not current weather.



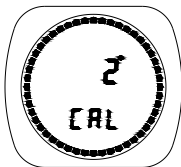
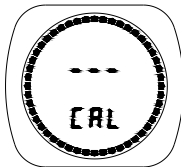
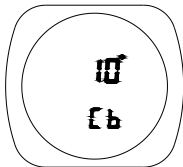
• **Magnetic declination setting:** Press MODE to enter this mode, press SET to set.

**Remark:** "Cb" means magnetic declination. It is range from "-30" to "30". Please set magnetic declination according to the local magnetic declination.

• **Compass Calibration:** Compass should be calibrated when the work condition is changed such as it is changed to horizontal, vertical or battery changed or magnetic field changed. When it is used in car, please calibrate it near its' location. When used on bike, please calibrate after steady it.

**PS 1.** Press MODE to this mode, there will be words of "CAL" on screen. According your request . place compass on horizontal or vertical, press SET to set them.

**PS 2.** When start calibrate, in the middle of screen there will be an angel degree which is the clockwise angel of north to target direction. Turn around compass slowly now, the angel degree will be changed every degree from 0 to 359 degree. Then it will go to compass mode automatically. "CAL" will be disappear. It means we calibrate it successfully. Otherwise we are failure. Then you should turn around compass again till finish calibration.





◆ **Backlight** : Press SET 2 seconds to open backlight at every mode. It will be closed in 5 seconds automatically.

◆ **Battery:**

When there is a symbol “”, please replace new battery.

1. Use coin or other similar tools to open battery holder according direction.
2. Use nonmagnetic CR2032 lithium battery
3. Close battery holder

◆ **Remark:**

1. CR2032 battery should be nonmagnetic battery, otherwise it will influence the precision.
2. Don't use under strong magnetic field.
3. Don't use near strong magnetic objects such as electromagnetic oven, motor and magnet.
4. Keep it dry, don't make damp and avoid raining.
5. Avoid use under too high or low temperature.
6. Don't collide, press hard to avoid damage modules.

## Trouble Shooting:

**Question:** What's the difference of press MODE to enter altimeter mode or press SET to enter?

**Answer:** Press MODE to enter altimeter mode, the atmospheric pressure has already been calibrated. Under this mode, the responses will be slow when atmospheric pressure changes. It fit for measure absolute altitude. If you find the data is too difference from the standard, please press MODE to calibrate atmospheric pressure under barometer mode. Press SET to enter altimeter mode, it fit for measure relative altitude. Under this mode, pressing MODE can enter into measure altitude at any time.

**Question:** Why the data not change under altimeter mode?

**Answer:** Please confirm whether use SET to enter altimeter mode. If yes, please confirm press MODE to collect data.


**Question:** How to measure a climb altitude?

**Answer:** Such as climbing, measure an altitude at the foot of mountain, then climb to the top of the mountain, measure an altitude, then subtract these two data, the remains is the climb altitude.

**Question:** Why is the result big difference when measure altitude at the same place?

**Answer:** This altimeter measure altitude according the atmospheric pressure. But the atmospheric pressure changes at any time, altimeter will take this change as a vertical movement. To get the same altitude data, please set sea level pressures to get a reference altitude indirectly.

**Question:** Why not Compass work well?

**Answer:** Please check whether there is symbol "" on screen. When using on vertical or horizontal, please check whether the switch adjust to the right place.

**Question:** Why is the result big difference for compass pointer?

**Answer:** Please confirm whether calibrate compass according manual when start use or change use method.