Multifunctional Digital Altimeter

MODEL NO. SR-208N

Congratulations! Thank you for purchasing SR-208N multifunction digital altimeter. It is a multifunction ideal altimeter for hiking, climbing and other outdoor activities. This multifunction digital altimeter is designed to deliver extensive, accurate and vital information with an altimeter, compass, barometer, thermometer, weather forecast and time display. It is also designed by multifunction. You can fix in car, on bicycle or wear on wrist. It can serve for you timely during your traveling.

Multipurpose: Handheld | Wear on wrist | Fix in car

FEATURES:

Altimeter:
- Range from -2,296 feet to 29,500 ft (-700m to 9000m).
- Resolution of 1 meter or 3 ft.
- Absolute sea level altitude measurement
- Relative altitude measurement
- Zero clearing function in relative altitude measurement
- ft and m unit switch available

Barometer:
- Range from 300mbar to 1100mbar
- Resolution of 1mbar
- Sea level pressure setting
- Millibar and hPa unit switch available

Thermometer:
- Thermometer from -10°C to +60°C (-50 to 140 Fahrenheit)
- °C or °F selectable
- Resolution of 1°C

Digital Compass:
- 4-bearing mode display
- Vertical and horizontal can be both used in compass function
- External magnetic field calibration
- Magnetic declination setting
- Compass mode lock available
- High accuracy ±3 degrees
- Resolution of ±0.1 degree

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

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

Backlight:
- 5 seconds super bright LED backlight.
◆ 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:
    - sunny
    - cloudy
    - overcast
    - rain

◆ Thermometer

Press MODE to select thermometer mode, there will be below TEMP. Weather forecast and temperature will be displayed on screen. Press SET to exit this mode.

Unit switch: Press MODE two seconds to switch °C or °F under this mode.

◆ Altimeter

1. **Absolute Sea Level Altitude Measurement**
   - Press MODE to enter absolute sea level altitude measurement.
   - There will be below ALTI and "absolute" will be displayed.
   - Press SET to exit this mode.

2. **Relative Altitude Measurement**
   - As the absolute altitude is calculated from the air pressure the change of air pressure would affect the altitude reading. To achieve a more accurate reading, the user can set the sea level pressure.
   - Unit switch: Press MODE two second under this mode to switch M or FT.

◆ Barometer

Press MODE to select barometer mode, there will be below BARO. Weather forecast and atmospheric pressure will be displayed on screen. Press SET to exit this mode.

Unit switch: press Mode two second to switch barometer unit hpa or inHg under this mode.
**Digital Compass**

Press MODE to select digital compass mode, there will be "COMP" 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.

Horizontal and vertical use switch: Press SET to switch vertical and horizontal. "Hor" or "Ver" will be displayed on screen in 3 seconds. The default setting is horizontal.

Compass mode lock: Press MODE two second to lock compass mode. "LOCK" will be displayed on screen, press MODE two second again to unlock this mode. Under lock mode, the data will be collected every 3 seconds. If the compass direction is not change in 20 minutes, it will unlock automatic and exit compass mode.

**User Setting**

Press MODE 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 default 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 it.
- **Sea level pressure setting**: Press MODE to select object, the object will be flash. Press SET to set it.
- **Weather Forecast setting**: Press MODE to enter this mode. Press SET to select 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.

**Remark**

"N" -- North, "W" -- West, "S" -- South, "E" -- East. The straight ahead is your target direction.
**Digital compass**

Press MODE to select digital compass mode, there will be COMP below COMP. Weather forecast, compass direction, angle, 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.

Horizontal and vertical use switch: Press SET to switch vertical and horizontal. "Hor" or "Ver" will be displayed on screen in 3 seconds. The default setting is horizontal.

**Compass mode lock:** Press MODE two second to lock compass mode. "LOCK" will be displayed on screen, press MODE two second again to unlock this mode. Under lock mode, the data will be collected every 5 seconds. If the compass direction is not change in 20 minutes, it will unlock automatic and exit compass mode.

**Pu1:** Please be sure under vertical mode when you fix in car.

**Pu2:** For example "ENE" display, the "E" shows that your target direction approaches East. "2" and "NE" shows that the target direction is between North and East. "72" shows that the clockwise angle between target direction and three indicators is 72.

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

**User Setting**

Press MODE 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 default 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: "CD" means magnetic declination. It is range from "-30" to "30". Please set magnetic declination according 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 used in car or 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 begin 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. "CAL" will be displayed on screen. Turn around compass slowly now, the angel degree will be changed every degree. Only 0, 90, 180 and 270 four angels are collected, it means turn one cycle. Then it will go to compass mode automatically. "CAL" will be disappear. It means we calibrate it successfully. Otherwise it means failure. Then you should turn around compass again till finish calibrate.

◆ Backlight: Press SET to open backlight under compass mode. Under other mode 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, it fit for measure absolute altitude. Press SET to enter altimeter mode, it fit for measure relative altitude.

**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 the compass pointer result has a big difference at the same place?

**Answer:** Please confirm whether calibrate compass according manual when start use or change use method. Please avoid use compass under strong magnetic field.

SR-208N 多功能多用途电子高度计

该款电子高度计是一款具有多功能、多用途的户外旅行、登山、探险的必备产品，包括海拔测量、温度、气压、湿度、天气预报、风速、紫外线光等功能。而且该款产品是多功能设计，无论是开车行驶、徒步旅行，还是旅行者运动等，都是实用、时尚的户外旅行和运动装备之一的方便。

**多种使用方式**：车载式使用/手持式使用/腕带式使用

**主要特征**：
- 高度计：
  - 700米到8999米的测量范围
  - 1米或3英尺的识别率
  - 绝对海拔高度测量
  - 相对高度测量
  - 最高高度测量，可设定从0米开始
  - 升升或英尺单位转换

**气压计**：
- 300毫米到1100毫米测量范围
- 0.1毫米的精度测量
- 海平面气压设置
- 毫巴和英尺单位转换
高度计功能

1. 绝对高度计测量模式：
按MODE键可以进入绝对高度计测量模式。ALT显示标下会显示△，同时显示absolute标志，按SET键可以退出该模式。
由于高度是通过测量大气压力变化来测量的，因此气压的微小变化都会影响到高度的计算。在计算过程中，用户可以根据需要切换单位，切换高度单位METER。在此模式下按住MODE键两秒进行。

2. 相对高度计测量模式：
在时钟模式下按SET键可进入相对高度计测量模式，会显示relative标志，该模式下高度处于连续测量状态。再次按SET键退出。
高度归零：长按MODE键两秒可以将高度归零后再进行测量。

气压计功能

按MODE键选择气压计测量模式，BARO指示标下方会显示△，屏幕显示当前时间和当前气压值。按SET键可以退出该模式。单位切换：切换气压单位为hpa或者inHg。在此模式下按住MODE键两秒进行。

电子罗盘功能

可以按MODE键进入电子罗盘模式。COMP指示标下方会显示△，屏幕显示当前罗盘方位、罗盘角等，四个方位指示和天气指示，四个方位指示分别显示四方位或东、南、西、北等4个方位，其中三个点表示正北方。

水平或垂直使用方式切换，长按SET键，会根据水平或垂直使用方式显示，屏幕会出现Hori或Ver等字样，指示当前罗盘的使用方式。默认为水平和垂直使用。

指南针工作模式：长按MODE键，可以锁定指南针工作模式。会显示LOCK标志，再次长按MODE键可以解除锁定。锁定状态下，指南针会用指示情况显示，一次，20分钟内，如果显示没有发生变化，将会自动解除锁定恢复指南针工作模式。

提示：指针使用时，务必保持指针正直或垂直使用方式。说明：图中右上方显示为“E”，表示当前罗盘目标方向是东，右下角显示为“N”，表示目标方向为北。横轴为电子罗盘正向使用时，正南方为北。
用户设置

1. 长按MODE键可以选择进入该模式，该模式下有"MODE 1"和"MODE 2"两个可选模式。
2. 按下显示为"09:00"时，表示系统处于首次启动状态，系统自动进入"MODE 1"模式。
3. 按下画面显示为"10:13"时，表示系统处于非首次启动状态，系统自动进入"MODE 2"模式。

模式一：

- 时钟设置：按MODE键进入此模式，按SET键进入"09:00"模式。
- 气压计设置：按MODE键进入此模式，按SET键进入"10:13"模式。
- 电源设置：按MODE键进入此模式，按SET键进入"10:13"模式。
- 水温计设置：按MODE键进入此模式，按SET键进入"10:13"模式。
- 电池设置：按MODE键进入此模式，按SET键进入"10:13"模式。

模式二：

- 时钟设置：按MODE键进入此模式，按SET键进入"09:00"模式。
- 气压计设置：按MODE键进入此模式，按SET键进入"10:13"模式。
- 电源设置：按MODE键进入此模式，按SET键进入"10:13"模式。
- 水温计设置：按MODE键进入此模式，按SET键进入"10:13"模式。
- 电池设置：按MODE键进入此模式，按SET键进入"10:13"模式。

使用步骤：

1. 按下画面显示为"10:13"时，表示系统处于非首次启动状态，系统自动进入"MODE 2"模式。
2. 按下画面显示为"09:00"时，表示系统处于首次启动状态，系统自动进入"MODE 1"模式。
3. 按下画面显示为"10:13"时，表示系统处于非首次启动状态，系统自动进入"MODE 2"模式。
4. 按下画面显示为"09:00"时，表示系统处于首次启动状态，系统自动进入"MODE 1"模式。

注意：

- 首次启动完成后，系统会自动进入"MODE 2"模式。
- 非首次启动完成后，系统会自动进入"MODE 1"模式。
- 电池电量低时，系统会自动进入"MODE 2"模式。
- 电池电量过高时，系统会自动进入"MODE 1"模式。

补充说明：

- 系统在首次启动和非首次启动状态下，显示的数字会有所不同。
- 系统在非首次启动状态下，显示的数字会有所不同。
- 系统在首次启动和非首次启动状态下，显示的数字会有所不同。
- 系统在非首次启动状态下，显示的数字会有所不同。