

4 IN1 PORTABLE CO&CO₂ WITH ALARM



! Please read the USER GUIDE carefully and keep safe before using the product. This product is only for adult but not a toy.

Product Specifications

Product Function

1. Carbon Dioxide
2. Carbon Monoxide
3. Temperature
4. Humidity
5. Magnetic
6. Camping Light

Main Technical Parameters

Battery specifications	18650 2000mAh Lithium Battery
CO ₂ Detection Range	400-5000 ppm
CO Detection Range	0-1000 ppm
Temperature Measuring Range	-10°C(14°F)-55°C(131°F)
Humidity Measuring Range	0-100% RH
Warm Up Time	15 Seconds
Data Refresh Frequency	2 Seconds
Charging input	5V/1A
Full Charging Time	Approx. 3 Hours
Working Time of Carbon Dioxide after fully Charged	≥95 Hours
The Max. Luminous Flux(High)	≥100Lm
The Max. Luminous Flux(Low)	≥20Lm
Working Time of Torch after fully Charged(High)	≥4Hours
Working Time of Torch after fully Charged(Low)	≥15 Hours



How to Use

- 1. Turn On The Power**
Keep the for 2 seconds for turn on and off power. The first test will take about 15 seconds to calibrate the accuracy. Then the results of the test will be displayed on the screen.
Switch CO₂ and CO
Press switch CO₂ and CO Screen after power on.
- 2. Turn Off The Power**
You can long press the power button to turn off the power.
- 3. Switch The Temperature Unit**
You can press the power button to switch between Celsius (°C) and Fahrenheit (°F).
- 4. Torch**
Keep the for 2 seconds for turn on and off torch, torch mode from High to Low.
- 5. Turn On/off The Alarm**
Keep the button to turn on/off the alarm when Yellow or Orange Range.

CO₂ or CO Detection Range Adjust

Step 1. Turn on and into CO₂ or CO Screen

Step 2. Press and in a time, into the CO₂ or CO Detection Range Adjust



Step3. Press minus the range, press increase the range, and press the fix the range after you finally select the number of range.



Remark: Green Range, Yellow Range, Orange Range and Red Rang, same way from Step 2 to Step 3 once you get into resetting the Range.

Indication of CO Concentration

According to different carbon monoxide concentration, the product will display a colored icon on the screen:

- Green: 0-50 ppm (±5 ppm)
- Yellow: 51-100 ppm (±5 ppm)
- Orange: 101-200 ppm (±5 ppm)
- Red: 201-1000 ppm (±5 ppm)

- 51-100 ppm: the alarm sounds 3 times every 3 minutes;
- 101-200 ppm: the alarm sounds 5 times every 3 minutes;
- >200 ppm: The alarm sounds continuously.

! Note: If the detector is broken, the alarm sounds 10 times in 30 seconds and the screen shows 9999.

ALARM RANGE

0-50PPM	Shows green, no alarm alert.
51-100PPM	Shows yellow, 3 times alarm alert in 3 mins.
101-200PPM	Shows orange, 5 times alarm alert in 3 mins.
>200PPM	Shows red, continuously alarm alert!

Indication of CO₂ Concentration

According to different carbon monoxide concentration, the product will display a colored icon on the screen:

- Green: 0-700 ppm (±5 ppm)
- Yellow: 701-1500 ppm (±5 ppm)
- Orange: 1501-2000 ppm (±5 ppm)
- Red: >2000 ppm (±5 ppm)

- >2000 ppm: The alarm sounds continuously.

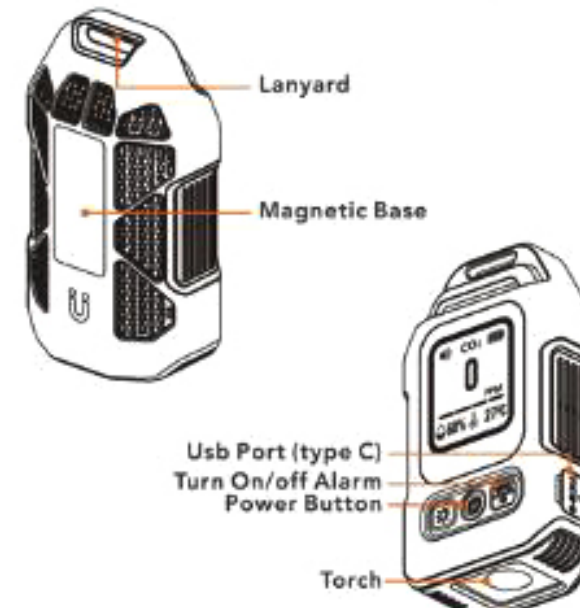
! Note: If the detector is broken, the alarm sounds 10 times in 30 seconds and the screen shows 9999.

ALARM RANGE

0-700PPM	Freshening Air
701-1500PPM	Smoothly Air
1501-2000PPM	Murky Air
>2000PPM	Shows red, continuously alarm alert!

Principle of CO₂ & CO Detection

This product detects the carbon dioxide or carbon monoxide in the air through the built-in non-dispersive infra-red (NDIR) sensor. It can detect the weak current generated by the electrochemical reaction and the concentration of carbon dioxide or carbon monoxide accurately and quickly.



Safety Precautions

! CAUTION

Do not soak this product in water or place it in an environment with temperature over 60°C. Keep it away from fire sources.

This product is a precision measuring instrument, please do not disassemble it by your self.

Do not use this product frequently in places with poor air quality, such as dusty environments.

When measuring temperature and humidity inside a car, do not leave this product in direct sunlight for a long time.

At the end of the product's life, please dispose of the product and the battery at a corresponding recycling center. Don't throw this product away with normal household wastes.

