

# Instruction Manual



22-10-V1-176

## Product Specifications

Display method:  
LED screen display  
Atmospheric pressure: 86Kpa - 106Kpa  
CO2 detection method: Infrared (NDIR)  
Sampling time: 1.5 seconds  
Product size: 80\*80\*43.5mm  
Detection temperature: 14 °F to 122 °F  
Relative humidity: 20% to 85%  
Storage temperature: 14 °F to 140 °F  
Carbon dioxide concentration unit: PPM  
Power source: Lithium battery with a capacity of 2000 mAh.  
5V DC power charging via Type-C port  
Product weight: 226g

## Product Description

This product is an air quality monitor that detects Carbon Dioxide (CO2), Temperature, and Humidity. It combines sensors real-time monitoring of Carbon Dioxide (CO2), Temperature, and Humidity on its display.

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## Considerations

Please read the instructions carefully before using this device.  
Please let the device work short mins outdoors before use for most accurate results.  
Please keep the manual handy for quick reference and troubleshooting.

## Precautions

Avoid covering the air intake areas during use to avoid inaccurate measurements.  
Avoid use of solvents to clean the product as residual fumes will skew air quality readings.  
Avoid water or other liquids near the product to avoid electrical damage.  
Do not allow unauthorized modification or repair of this product.

## Features:

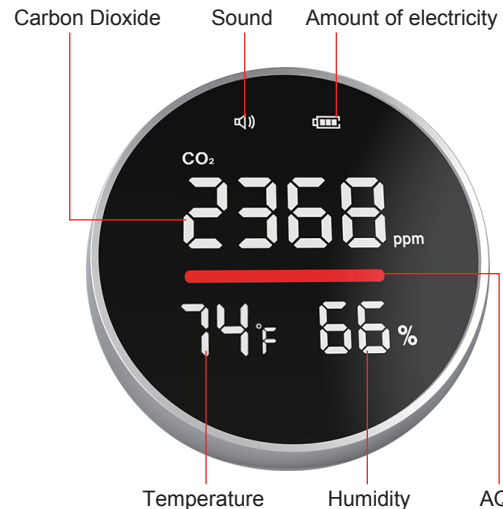
- LED screen display
- All metal case
- Test variables: Carbon dioxide (CO2), temperature, humidity
- Large 2000mAh capacity lithium battery
- Type-C charging port
- Screen brightness can be adjusted
- CO2 alarm threshold can be adjusted
- CO2 alarm sound can be turn on/off
- Low battery warning

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## Instructions

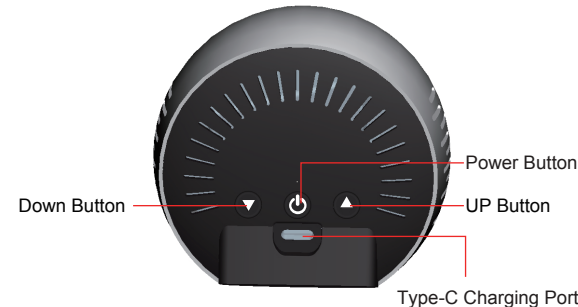
### 1. Power on and off

Click the "⏻" button to turn on the device.  
Press and hold the "⏻" button to turn it off.



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## 2. Key functions and settings



1. Alarm threshold adjustment (800-2000ppm)
  - a) Double click the power button, the CO2 value will flash.
  - b) Click the "▼" to decrease the alarm threshold. The threshold value can be decrease by 100ppm each time.
  - c) Click "▲" to increase the alarm threshold. The threshold value can be increased by 100ppm each time.
  - d) After adjusting the threshold value you want, click the "⏻" button to save the setting.

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2. Press and hold the "▼" button to turn on/off the alarm sound.
3. Screen brightness adjustment.
  - a) Click the "▼" button to decrease the screen brightness, Click the "▲" button to increase the screen brightness.
  - b) Click the "⏻", the screen will be at the lowest brightness (Enter sleep mode). Click the "⏻" again, the screen will return to the original brightness (Lift the sleep mode).
4. Manual calibration  
When the CO2 value is below 1000ppm and stable. Press and hold the "▲" button for about 8 seconds, there will be a beeping sound, CO2 value will flash, and the CO2 sensor will start to calibrate itself. 5 minutes later, the flashing will stop automatically, and then calibration will be completed. (Please do not turn off the device during calibration).

### CO2 air quality grade range

Air quality level	CO2 average standard value(PPM)	Color
Good	400-1000	Green
Abnormal	1001-1600	Yellow
Poor	1601-2000	Purple
Serious	2001-5000	Red

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## 3. About Charging

When the "🔋" icon is displayed, the device needs to be charged. Plug the supplied or other compatible USB Type-C charging cable into the device. Connect the other end to a USB DC adapter (e.g. 5V/2A or 5V/2.4A etc...).  
It takes 2-3 hours to fully charge.

## 4. Parameters

### CO2 technical indicators

Measuring range: 400-5000ppm  
Sensor for CO2: Infrared (NDIR)  
Resolution: 1ppm  
Measurement Accuracy: <1000ppm ±50ppm;  
>1000ppm ±5%ppm

### Temperature and humidity technical indicators

Measuring range: 14-122 °F  
Measurement accuracy: ±1 °F  
Humidity range: 20%-85% RH  
Measurement accuracy: ±4% RH

## Product List

Air Quality Monitor x 1  
USB Type-C Cable x 1  
Product Manual x 1

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