

Air Quality Monitor
Instruction Manual
บริษัท คอมคิวบ จำกัด



Product Specifications

Display method:
Common Screen display
Atmospheric pressure: 86Kpa - 106Kpa
Detection method for CO2 : Infrared (NDIR)
Detection method for PM: laser scattering
Sampling time: 1.5 seconds
Product Size: 90 x 90x50mm
Detection temperature: -10°C to 50°C;
Relative humidity: 20% - 85%
Storage temperature: -10°C to 60°C;
Concentration unit for CO2:PPM
Concentration unit for PM: ug/m3
Power source: Lithium battery with 2000 mAh capacity;
5V DC power charging via micro USB port
Product weight: 200g

Product Description

This product is an air quality monitor that detects Carbon dioxide (CO2),Particulate Matter <2.5 micron-sized particles (PM2.5/1.0/10)Temperature, and Humidity. it combines sensors real-time monitoring of Carbon dioxide (CO2),PM2.5/1.0/10,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:

- Common Screen display
- Test variables:Carbon dioxide (CO2),temperature, humidity
- Large 2000mAh capacity Lithium battery
- 5V Micro USB charging
- Low battery warning

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Instructions

1. Start Up

When you long-press the power button, the air quality monitor will boot up.

It would auto flash each 5 seconds switching data from PM1.0, PM2.5, PM10.



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Product Key function description:

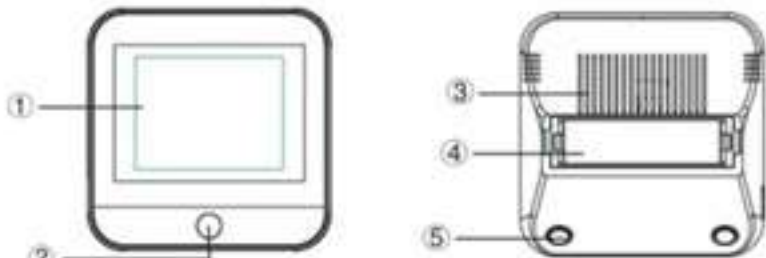


Figure 1

Figure 2



Figure 3

- ① display screen
- ② Power button
 - 1. Long press for 3 seconds to turn device on/off;
 - 2. Single click to switch Celsius and Fahrenheit;
 - 3. Double click to turn on/off Alarm function(when turn on alarm function, it would beep sound once CO2 value more than 1000PPM)
- ③ air hole of back
- ④ battery cover of back
- ⑤ foot pads
- ⑥ side air flow holes
- ⑦ USB charging port

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2. About Charging

When low battery icon is displayed, the device needs to be charged. Insert the included or another compatible micro USB charging cable into the device. Attach the other end to a USB DC charger (such as a smart phone charger) that outputs DC 5V at >=1000mA. Fully charge for at least 2-3 hours before use. Avoid charging with a USB computer port which only outputs 500mA.

3.Parameters :

CO2 technical indicators

Measuring range: 400-5000PPM Sensor for CO2 : Infrared (NDIR)
Resolution: 1 PPM

PM2.5,PM10,PM1.0 Specifications

Measuring range: 0-999ug/m3 Measuring principle: Laser Scattering
Resolution: 1ug/m3

Temperature and humidity technical indicators

Measuring range: -10-50 ° C Measurement accuracy: ±1 °C
Humidity range: 20%-85% RH Measurement accuracy: ±4% RH

Product List

Air Quality monitor x 1
Micro USB charging cable x 1
Product Manual x 1

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