

# Air Quality Monitor Instruction Manual

## Product Specifications

Display method:

LCD screen display

Atmospheric pressure: 86Kpa - 106Kpa

Detection method for CO<sub>2</sub> : Infrared (NDIR)

Sampling time: 1.5 seconds

Product Size: 190 x 80x52 mm

Detection temperature: -10°C to 50°C;

Relative humidity: 20% - 85%

Storage temperature: -10°C to 60°C;

Concentration unit for CO<sub>2</sub>:PPM

Power source: Lithium battery with 2000 mAh capacity;

5V DC power charging via micro USB port

## Product Description

This product is a multifunctional air quality detector that detects Formaldehyde (HCHO), Total Volatile Organic Compounds (TVOC), Particulate Matter <2.5 micron-sized particles (PM<sub>2.5/10</sub>), AQI, Temperature, and Humidity with clock and record function. As a scientific air quality detection device, it combines multiple air sensors with a built-in fan to allow real-time monitoring of formaldehyde (HCHO), total volatile organic compounds (TVOC), PM<sub>2.5/10</sub>,AQI temperature, and humidity on its digital LCD display

## 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:

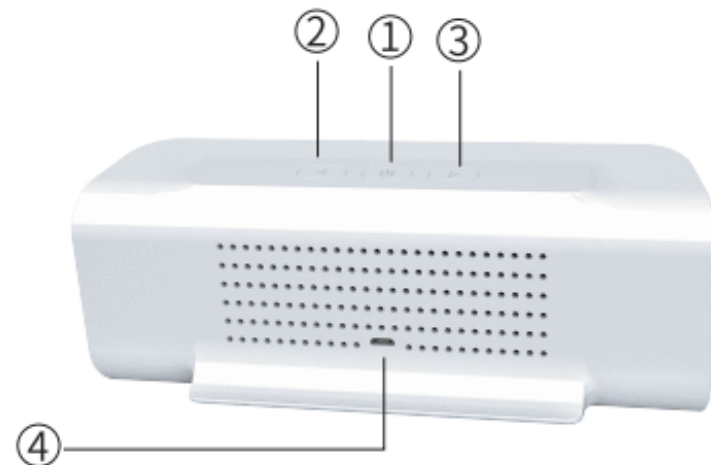
- LCD screen display
- Test variables:Carbon dioxide (CO<sub>2</sub>),PM2.5/PM10, HCHO,TVOC,AQI,temperature,humidity
- Large 2000mAh capacity Lithium battery
- 5V Micro USB charging
- Low battery warning

3

## Instructions

### 1. Start Up

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



4

## Product Key function description:

- 1 Power button, long press to turn on/off, 3 times-click to enter time setting
2. Right button, single-click to adjust time and date
3. Left button, single-click to adjust time and date
4. USB charging port

### Calibration:

In the power-on state, put the device in the outdoors or a place with good air. After 5~10 minutes, press and hold the left button for 3 seconds, and you will hear a buzzer sound, it means complete the HCHO/TVOC calibration.

### Time setting

In the power-on state, short press 3 times to enter the time mode;

click the left or right buttons to adjust the hours; then click the power button to switch to minutes, click the left or right buttons to adjust the minutes; then click the power button to switch to seconds, click the left or right buttons to adjust the seconds.

After adjustment well, click the power button to confirm and complete the time setting.

## 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  $\geq 1000\text{mA}$ . 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 Specifications:

Measuring range: 0-999ug/m<sup>3</sup>  
Measuring principle: Laser Scattering  
Resolution: 1ug/m<sup>3</sup>

### Formaldehyde Specifications:

Measurement range: 0.000-1.999mg/m<sup>3</sup>  
Measuring principle: Electrochemistry  
Resolution: 0.001mg/m<sup>3</sup>

#### TVOC Specifications:

Measuring range: 0.000-9.999mg/m<sup>3</sup>

Measuring principle: Semiconductor

Resolution: 0.001mg/m<sup>3</sup>

#### 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