Air Quality Monitor Instruction Manual



23-10-V1-125

Product Specifications

Display method: 3.5 inch LCD display
Product Size: 150*74*82 mm
Product weight: 190g
Atmospheric pressure: 86Kpa - 106Kpa
Detection method for CO2: Infrared (NDIR)
Detection method for PM: laser scattering
Sampling time: 1.5 seconds
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/m^3
Power source: Lithium battery with 2000mAh capacity; 5V DC power charging via micro USB port

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.

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.

Instructions

1. Start Up

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



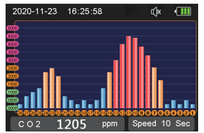
Product Key function description



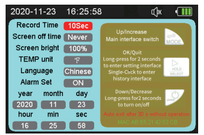
● Main interface



● Second interface



● History interface



● Setting interface

1.Long-press "Power" button to turn on/off device.

2. After booting, auto enter main interface.

3. Single click "Mode/Power" button to switch interface between main interface and second interface.

4. Single click "Hold" button to enter history interface. (Keeping Single click "Hold" button to switch history interface, from CO2,PM2.5, temperature and humidity)

5. a. Long-press "Hold" button and keep for 2~3 seconds to enter setting interface. (On setting interface , optional area have two background color, Blue and Red)

b. Single click "hold" button to switch color between Blue and Red;

c. When optional area show Blue, you can switch to below different function setting by press "Mode" button and "Power" button. like record time, screen off time, screen bright, Temp unit,Language, Alarm set, Year, month, day, hour, min, sec.

d. When optional area show red, you can adjust different specifications by press "Mode" button and "Power" button, Details as below;

Record time: 10 sec, 30 sec, 60 sec, 10 min, 30min and 60min.
Screen off time: never, 1min, 10min and 30min.
screen bright:25%, 50%, 75%, 100% and auto.
Temp unit: °C and °F
Language: Chinese and English
Alarm set: On and Off
Alarm threshold can be adjusted from: 800ppm-1600ppm
Alarm threshold default : 1000ppm
Year, month, day, hour, min, sec: can set or adjust date and time.

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/m^3
Measuring principle: Laser Scattering
Resolution: 1ug/m^3

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