User Manual
Air Quality Detector AQD-V43[B]

Version: 1.0

Product Specifications

Display method: Common Screen display
Atmospheric pressure: 86Kpa to 106Kpa
Detection method for CO_2: Infrared (NDIR)
Detection method for PM: laser scattering
Sampling time: 1.5 seconds
Product Size: 145*78*97.2mm
Detection temperature: -10℃ to 50℃
Relative humidity: 20% to 85%
Storage temperature: -10℃ to 60℃
Concentration unit for CO_2: PPM
Concentration unit for PM: ug/m³
Power source: Lithium battery with 3000 mAh capacity;
5V DC power charging via micro USB port
Product weight: 210g

Product Description

This product is an air quality monitor that detects Carbon dioxide (CO_2), Particulate Matter <2.5 micron-sized particles (PM2.5/1.0/10), Temperature, and Humidity. It combines sensors real-time monitoring of Carbon dioxide (CO_2), PM2.5/1.0/10, 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

- Common Screen display
- Test variables: CO_2, PM2.5/1.0/10, temperature, humidity
- Large 3000mAh capacity Lithium battery
- 5V Micro USB charging
- Low battery warning
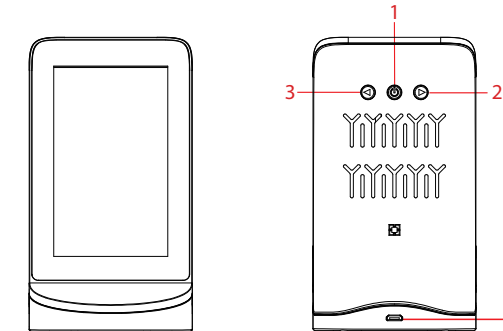
Instructions

1. Start Up

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

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

2. Instruction

1) Long-press for 3 seconds to turn device on/off; Double click to set Date and time. (Press 2 to down digits and press 3 to up digits)

2) Decrease Button, single press to switch Celsius and Fahrenheit.

3) Increase Button, single press to switch from PM1.0, PM2.5 and PM10.

4) Micro USB charging Port.

3. 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.

4. Parameters

CO_2 technical indicators

Measuring range: 400 to 5000PPM	Sensor for CO_2: Infrared (NDIR)
Resolution: 1 PPM	

PM2.5,PM10,PM1.0 Specifications

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

Temperature and humidity technical indicators

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

Product List

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