Air Quality Monitor Instruction Manual



24-05-V2-1507WiFi

Product Specifications

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/m3
Power source: Lithium battery with 2000 mAh capacity; 5V DC power charging with micro USB port
Product Size: 267*140*30mm
Product weight: 300g

Product Description

This product is an air quality monitor that detects Carbon dioxide (CO2),Particulate Matter (PM2.5),Temperature and Humidity. it combines sensors real-time monitoring of Carbon dioxide (CO2), PM2.5,temperature and humidity on its display.

Considerations

Please read the instructions carefully before using this device.
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 modifica tion or repair of this product.

Features:

-Big screen display
-Support test variables:Carbon dioxide(CO2),PM2.5, temperature and humidity
-Support CO2 exceeding alarm
-CO2 alarm threshold can be set

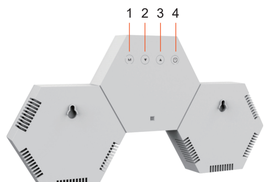
CO2 indicator ：

Green: 400ppm to 1000ppm
Yellow: 1001ppm to 2000ppm
Red: 2001ppm to 5000ppm

PM2.5 indicator:

Green: 0~74 ug/m³
Yellow: 75~299 ug/m³
Red: 300~999 ug/m³

Key operation



1) Set button, press or click to enter setting
2) Down button, click to adjust
3) Up button, click to adjust
4) Power ON/OFF button, press or click to turn on/ off the device

Time setting
After turn on, the device auto accesses the interface which can show CO2 current value, PM2.5, temperature, humidity, and time. In this state, when you long-press set button, the digits of hour will flash, press up button to increase digits or press down button to decrease digits, and press set button to confirm and switch to next option.

CO2 alarm threshold Setting
After setting time, the digits of CO2 will flash, then you can press up button to increase CO2 alarm threshold, or press down button to decrease CO2 alarm threshold. (CO2 alarm threshold can be set to 800ppm, 900ppm, 1000ppm, 1100ppm, 1200ppm, 1300ppm, 1400ppm, 1500ppm, 1600ppm, 1700ppm, 1800ppm, 1900ppm, 2000ppm). After setting CO2 alarm threshold, press set button to confirm setting.

Turn off/on CO2 alarm sound
Single press set button, to turn on/turn off the alarm sound.

Installation Notes

1)The positioning sticker is attached to the position to be installed.

2)Punch a 6mm hole at the 2 marked positions of the positioning sticker and drive the rubber plug
3)Drive in the screws, and pay attention to about 4mm exposed. Then hang up the device.

Working method
Under normal working conditions, we suggest don't do any setting, You can test the current CO2/PM2.5 value and temperature and humidity. (Factory default CO2 alarm threshold is 1000PPM)

Automatic calibration
During the first time use, please turn on device and keep it working for more than 24 hours, the device will automatically calibrate. (Do not power off and restart halfway when calibration)

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.

Technical parameter

1) Input voltage: DC5V 1000mA
2) CO2 test measurement range: 400ppm-5000ppm
3) PM2.5 range: 0~999 ug/m3
4) CO2 test accuracy:
   400~1000ppm，deviation： ±50ppm+3%reading;
   above 1000ppm, deviation : ±5%
5) CO2 display resolution: 1ppm
6) Temperature measurement range: -10.0°C~+50.0°C
7) Temperature accuracy: ±1.0°C (0°C~40°C)
8) Humidity measurement range: 20%~85%

Product List

Device*1
Manual *1
Positioning sticker *1
USB cable *1
Screw *2
Rubber stopper *2



How to connect device to an Android or Apple iOS smartphone via TuyaSmart App

1.APP Download
Quick download APP by scanning QR code as following.

Or Download and installl the Tuya Smart App through the Google Play Store or Apple App Store, or scan the above QR code to download the Tuya APP, then register and login.

This device supports 2.4GHz WiFi, not support 5GHz WiFi router. Make sure the router is 2.4GHz connection.

2.Add Device

① Turn on the Bluetooth function of your mobile phones
Make it sure your mobile phones have connected a WiFi network

② Turn on the device,when pairing mode is enabled,
the Wi-Fi icon on the device will blink rapidly

③ Open the tuya APP home page,
click on 'Add device' or press ' + ' in the upper right Corner,
the app will start searching for nearby devices,
then the nearby device symbol will display,
follow the instructions step by step to do the connect.

④ After connect successfully,click "Done".