

# Instruction Manual



24-11-V1-1209A

## Protect Your Air

In a world filled with fine particles, changes in air quality are often difficult to detect, while the presence of dust can pose potential threats to health and the environment. This mini dust detector, with its small and exquisite posture and excellent precision detection ability, has become your reliable assistant in safeguarding air quality. It uses advanced laser sensors to accurately measure the concentration of PM2.5 particles and dust in the air. It is easy to operate, with a simple and clear interface, one click start, and real-time display of PM2.5, temperature and humidity data, allowing you to be familiar with changes in air quality. Once exceeding the standard is detected, the instrument will immediately sound an alarm, allowing you to take immediate measures to avoid danger.



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1	Alarm	6	PM2.5 Level
2	Battery	7	Power Button
3	PM2.5 Value	8	Air Inlet
4	Temperature	9	Type-C Charging Port
5	Humidity		

## How To Use

### Turn On / Off

- In power-on state, long-press **Power Button** to turn off the device.
- In shutdown state, single-press **Power Button** to turn on the device.

**Note** : If you can't turn on the device, please plug in and charge it for a while first.

### PM2.5 Range (ug/m³)

PM2.5 Detection Range : 0-999 ug/m³

	Green Color (Good)	Orange Color (Slight)	Red Color (Serious)
PM2.5	0-75 ug/m³	76-150 ug/m³	151+ ug/m³

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## PM2.5 Alarm

- PM2.5 alarm value is 200 ug/m³.
- In power-on state, single-press Power Button to turn off/on the PM2.5 alarm sound.
- Default: Alarm is on.

## Temperature Unit

- In power-on state, double press Power Button to switch the temperature unit between Celcius(°C) and Fahrenheit(°F).

## Charging

When low battery icon is displayed, the device needs to be charged. Insert the included or another compatible Type-C charging cable into the device. Attach the other end to a USB DC charger (such as a smartphone 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.

## Parameter

	Measurement Range	Measurement Method	Resolution	Measurement Accuracy
PM2.5	0 - 999 ug/m³	Laser Scattering	1 ug/m³	±10ug/m³(0~100ug/m³) ±10%(≥100ug/m³)
Temperature	-10°C - 50°C (14°F - 122°F)	Semiconductor	1°C (1.8°F)	±1°C (±1.8°F)
Humidity	20% - 85%	Semiconductor	1%	±4%

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## Tips

### Tip 1: Strange Readings? Do This:

- Turn the device off for some time and then turn it back on again (effectively allowing the monitor to reset). After continuous use for extended periods, the device may simply need to be reset.
- Open a window or bring the device outdoors to allow the sensor to exhaust any accumulated fumes and to allow the readings to adjust back down to more normal levels.

### Tip 2: Not Using It? Turn It Off:

For the most consistently accurate readings and longest product life, it is recommended to turn the monitor off while it is not in use. This will preserve the battery, sensor, and fan.

### Tip 3: Open A Window:

Often the quickest and most practical way to get readings back into the desired range is to simply open a window to ventilate more clean outdoor air into your home. This obviously does not apply if you are located in a Wildfire area or any other area with compromised outdoor air quality.

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## Considerations & Precautions

### • Sampling Frequency:

The sampling frequency of the monitor is 1.5 seconds. This means that the monitor is providing you with updated readings every 1-2 seconds. Please note that, in order to provide constantly-updated, real-time readings, it contains a continuously running mini fan which gives off a very slight buzzing sound.

- This air monitor should be used indoors and kept dry at all times. It is strongly recommended to store in a cool the dry place.

- DO NOT** expose to sunlight or use in an extremely polluted, dusty, or smoky environment for prolonged periods as doing so may damage the sensors over time.

- DO NOT** cover the air intake areas during use to avoid inaccurate measurements.

- DO NOT** use chemicals or solvents to clean the product as residual fumes will skew air quality readings.

- DO NOT** put water or other liquids on or near the product to avoid electrical damage.

- DO NOT** allow unauthorized modification or repair of this product.

- DO NOT** take apart or disassemble this monitor. Doing so may damage the product and will invalidate the warranty.

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## Product Specifications

Item	PM2.5 Monitor
Product Size	70*70*28mm
Product Weight	81g (2.86 oz)
Display Method	LCD Screen
Measuring Item	PM2.5, Temperature, Humidity
Detection Method for PM2.5	Laser Scattering
Concentration Unit for PM2.5	ug/m³
PM2.5 Measuring Range	0-999 ug/m³
Atmospheric Pressure	12.5 PSI - 15.4 PSI
Sampling Time	1.5 Seconds
Temperature Range	-10°C - 50°C (14°F - 122°F)
Storage Temperature	-10°C - 60°C (14°F - 140°F)
Relative Humidity	20%-85%
Humidity Range	20%-85%
Power Source	800 mAh Rechargeable Lithium Battery. 5V DC Power Charging via Type-C Port

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## Warning:

While this product can reduce your risk of harm by increasing your awareness of air quality, it can in no way guarantee your health or safety. Please instead take a comprehensive approach to living healthy and do not depend on this monitor alone to improve your health or save your life.

## Legal Disclaimer:

The use or misuse of this monitor is conditioned upon the user's agreement that in no event shall the manufacturer, importer, reseller, or distributor of this monitor be liable for any direct, indirect, punitive, incidental, special consequential damages, to property or life, whatsoever arising out of or connected with the use of this monitor.

## Product List

PM2.5 Monitor	x 1
Type-C Charging Cable	x 1
Product Manual	x 1

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