

## A13 PM2.5空气监测仪 A13 PM2.5 Air Quality Monitor

Thank you for purchasing the A13 PM2.5 air quality monitor. Please take time to read and understand this manual before you enjoy the convenience and features of the device.

### 产品概述

PM2.5监测仪可以实时监测空气中的PM2.5粉尘 实时了解空气中的PM2.5数值污染情况。

- PM2.5数值
- 温湿度显示
- 摄氏度°C/华氏度°F转换
- LCD数码显示/高精度激光传感器
- 3节7号电池供电: 10分钟后自动关机。

### 使用范围

可在室内、学校、医院等环境下使用。



### 产品规格

#### PM2.5污染指数标准

指数	等级	温馨提示
0-50	优	可多参加户外活动呼吸新鲜空气
51-100	良	除少数对某些污染物特别容易过敏的人群外, 其他人群可以正常进行室外活动。
101-150	轻度污染	敏感人群需减少体力消耗较大的户外活动
151-200	中度污染	敏感人群应尽量减少外出, 一般人群适当减少户外运动
>300	严重污染	除有特殊需要的人群外, 尽量不要留在室外

#### PM2.5检测参数

PM2.5检测浓度范围	0—999ug/m3
PM2.5测量精度	±15%, ±10ug/m3

### 产品规格

#### 温度检测参数

温度	检测范围-10°C~50°C (或32°F~+122°F) 温度误差: ±1°C (+10°C~+40°C); ±2°C (0°C~+10°C&+40°C~+50°C)
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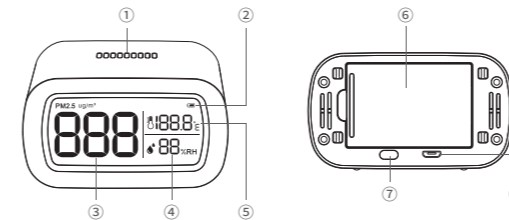
#### 湿度检测参数

湿度	检测范围20%-95% 湿度误差±5% (30%~95%); ±8% (20%~30%)
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#### 其他参数

Micro输入电压	5V±0.25V DC
输入电流	500±25mA(MAX)
工作电流	60---110mA
电池	三节7号(AAA) 电池
产品尺寸	86*48*49mm

### 产品说明



- ① PM2.5探测窗口
- ② 电量显示
- ③ PM2.5 数值
- ④ 湿度
- ⑤ 温度
- ⑥ 电池门
- ⑦ 电源开关 / 摄氏度°C/华氏度°F转换
- ⑧ Micro: DC5V输入

### 使用说明

1. 连接电源或装上3节7号电池, 即可开机。
2. 使用电池供电时, 长按2秒【电源开关】键, 开启/关闭此设备。开机后, 产品将保持实时监测PM2.5数值状态。
3. 电池电量显示: 电量满电时长亮【】, 电量低时闪烁【】。
4. 温湿度: 实时监测室内温度/湿度。
5. 当PM2.5数值达到或超过100时, 【PM2.5 ug/m³】符号闪烁。
6. 供电方式: ① USB连接产品  
② 3节7号电池供电

### 摄氏度/华氏度转换

在开机状态下, 短按【电源开关】键可切换摄氏度°C / 华氏度°F。

### 注意事项

- 使用时(检测中)请勿晃动或抖动机器, 尽量保持机器平稳, 保持PM2.5探测窗口通畅。
- 连接电源使用产品时检测的温度比正常温度偏高1-2摄氏度属于正常现象。
- 请将产品放置于水平、干燥、无强光直射的阴凉环境保存。
- 请勿将本产品长期放置于PM2.5浓度超过999ug/m³的环境中, 否则会缩短传感器的使用寿命。
- 请勿自行拆卸、修理本产品, 有可能导致本机故障或引起触电、火灾等, 如有疑问请拨打服务热线: 4008-755-838。自行拆解造成的损失本公司不负相关责任。

### 产品包装清单

PM2.5检测仪	1 台
电源线	1 根
产品说明书	1 本

### Product Overview

The A13 mini PM2.5 air quality monitor can automatically detect PM2.5 value particulate matter, temperature and humidity in real time. With mini and portable design, you can take it with you at anytime, and let you know the air quality around you at anywhere.

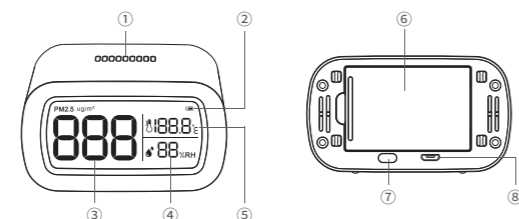


The living room

School

Hospital

### Operation Instruction



- ① Ventilation Holes
- ② Battery Indicator
- ③ PM2.5 value
- ④ Humidity
- ⑤ Temperature
- ⑥ Battery Cover
- ⑦ Power Button / Celsius and Fahrenheit Conversion
- ⑧ Micro DC5V Input

### PM2.5 index guidance

PM2.5 Index Value	Air Quality Guidance	Previous Breakpoints (1999 AQI) (ug/m³, 24-hour average)	Revised Breakpoints (ug/m³, 24-hour average)
0-50 ug / m³	Good air quality	0.0-15.0	0.0-12.0
51-100 ug / m³	Moderate air quality	>15.0-40	12.1-35.4
101-150 ug / m³	Air quality unhealthy for sensitive groups	>40-65	35.5-55.4
151-200 ug / m³	Air quality unhealthy	>60-150	55.5-150.4
201-300 ug / m³	Air quality very unhealthy	>150-250	150.5-250.4
301-400 ug / m³	Hazardous	>250-350	250.5-350.4
401-999 ug / m³		>350-999	350.5-999

### Specifications

Product name	A13 PM2.5 Air Quality Monitor		
Input	4.5V		
Power	3*AAA batteries / USB cable		
Working environment	10~50°C, 20%~95%RH		
Sensor	High precision laser sensor		
Measurement method	Laser scattering		
Detection	Automatically		
Index exceeding reminder	The digital number of PM2.5 value will flicker		
Measuring range	PM2.5	0-999 ug / m³; Resolution: 1ug / m³; Accuracy: ±15%, 10ug / m³	
	Humidity	20%~30%RH, Accuracy: ±8%, 30%~95%RH, Accuracy: ±5%	
	Temperature	Resolution: 1%RH 10~40°C (32°F~+122°F), Accuracy: ±1°C, 0~10°C (40°F~+50°F), Accuracy: ±2°C, Resolution: 1°C	

### Operation Instruction

#### 1. Power On/Off

- ① Install battery AAA \* 3PCS (not included), then cover battery door, press and hold the power button for 2 seconds to turn on or off the device, it will monitor the PM2.5 value automatically.

#### 2. Index exceeding reminder

When PM2.5 index value exceed 100 ug/m³, the digital number of PM2.5 value will flicker. When PM2.5 index value is lower than 100 ug/m³, the indicator will stop flicker.

#### 3. Power saving mode

When power by batteries, the monitor will automatically shut down and enter the power saving mode after 10 minutes. If you need to monitor, please reboot.

#### 4. Replace battery

Low battery status: when the battery is low, the battery indicator【】 will flicker, please replace AAA battery .

### Celsius and Fahrenheit Conversion

When the monitor is on, press "Power Button" button to switch Celsius or Fahrenheit .

### Warning

- Do not shake or shake the monitor when using (during testing), try to keep the monitor stable and keep the PM2.5 detection holes open.
- It is a normal phenomenon that the temperature value detected during charging is 3-8 degrees Celsius higher than the normal value.
- Please keep the product in a cool environment, which is horizontal, dry and without strong direct light.
- Avoid putting the product in the environment with PM2.5 concentration exceeding 999 ug/m³ as far as possible.
- This product has no waterproof function. Do not invade or spill water or other liquids on this monitor.
- Do not disassemble or repair this product by yourself. It may cause local malfunction or electric shock or fire. If in doubt, please dial call the service hotline. The Company shall not be liable for the losses caused by self-disassembly.

### Package Contents

- 1 x A13 Mini PM2.5 Air Quality Monitor
- 1 x Charging Cable
- 1 x User Manual