

Product Specifications

Display method: 2.8" LCD screen display. 320 x 240 pixels

Atmospheric pressure: 86Kpa - 106Kpa Detection method for PM: Laser Scattering Sampling time: 1.5 seconds

Product Size: 164 x 69 x 44 mm

Detection temperature: -10°C to 50°C: 14°F to 122°F

Relative humidity: 20% - 85%

Storage temperature: -10°C to 60°C; 14°F to 140°F Concentration unit for PM (PM2.5/1.0/10): ug/m³ Concentration unit for HCHO and TVOC: mg/m³ Power source: Lithium battery with 2000 mAh capacity; 5V DC power charging via micro USB port Product weight: 179g

Product Description

This product is a multifunctional air quality detector that detects Formaldehyde (HCHO), Total Volatile Organic Compounds (TVOC), Particulate Matter <2.5 micron-sized particles (PM2.5/1.0/10), Temperature, and Humidity with clock and record function. As a scientific air quality detection device, it combines multiple air sensors with a built-in fan to allow real-t ime monitoring of formaldehyde (HCHO), total volatile organic compounds (TVOC), PM2.5/1.0/10, temperature, and humidity on its digital LCD disp

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 modification or repair of this product.

Features

- -2.8" color liquid crystal display (LCD), 320x240
- Test variables: PM2.5/1.0/10. formaldehyde. TVOC. temperature, humidity
- -Large 2000mAh capacity Lithium battery -On-board fan to draw in ambient air for more
- accurate real-time results 5V Micro USB charging

-Low battery warning

- 01. Up button: used to increase value
- 02. Down button: used to decrease value 03. Exit / ESC button, used to exit from menus
- 04. SET button: use to enter the setup mode and navigate within menus
- 05.Power/Switch Button:used to confirm
- highlighted options or to turn device on/off by pressing for 3 seconds or to scroll between interfaces
- 06. Air convection hole 07. LCD display screen
- 08. USB charging port

The formaldehyde alarm threshold is 0.1 mg/m3. If levels of HCHO exceed this alarm threshold.

_.... M2.5 0.002 0.265 mg/m³ **ઢ 28.5**℃ 🗳 33% **(4)**— (h) -3

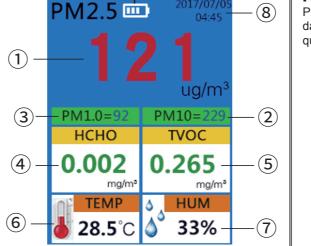
HCHO (formaldehyde) ideal range: ≤0.10 mg/m3 (0.08 ppm/m3)

TVOC ideal range: $\leq 0.6 \text{ mg/m} 3 (0.45 \text{ ppm/m} 3)$ the device will alarm with short beeps.

Instructions

(1)Start Up

When you press the center power button, the air quality monitor will boot up. Detector will proceed through its warm-up sequence for about 3 minutes to allow sensors to preheat and fan to draw in fresh ambient air. This is necessary for accurate results.



1.PM2.5 display area, showing the current PM2. 5 2.PM10 display area, Showing the current PM10

3.PM1.0 display area, showing the current PM1.0

4. Formaldehyde display area, showing the current Formaldehyde level.

5.TVOC display area, showing the current Total Volatile Organic Compound level.

6. Temperature display area, showing the current temperature level

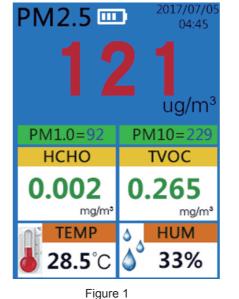
7. Humidity display area, showing the current humidity level.

8.Date and time display area

9.Battery symbol, showing the battery or charging indicator.

(2) Switching Among Data Display Formats (Figure 1-2)

Press the center power button to switch among data display formats (figures 1-2) that displays air quality readings in various formats



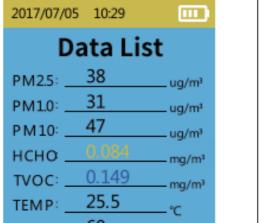


Figure 2

(3) System Settings (Figure 3-4) Press the SET button to enter the setup interface.

AOI:

then Press the SET button again to select the content which you want to set, press the Power Button to confirm the option (the word color is turning red). Change the value using up/down buttons and confirm each change by pressing center power button, YES by pressing the center power botton, NO by ESC button.

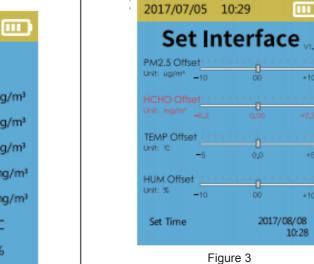




Figure 4

(4) 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 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.

(5) Technical Parameter

-PM2.5/PM1.0 /PM10 detection Detection principle: Laser scattering principle Number of test particles: 2.5um, 1.0um, 10um Detection method: concentration (per liter) Detection range: 0-999ug /m³

-Formaldehyde detection Detection range: 0-1.999mg /m³ Detection Technology: Semiconductor sensor Adopt Method: diffuse collection Concentration unit: mg /m³

-TVOC detection Detection range: 0.000-9.999ma / m³ Detection Technology: Semiconductor Sensing Technology Sampling technology: diffusion collection Concentration unit: mg/m³

-Temperature and humidity technical indicators Measuring range: 0-50 ° C Humidity range: 20%-85% RH

Measurement accuracy: ±1 °C Measurement accuracy: ±4% RH

(6) Standard Parameter

1)Standard formaldehyde (HCHO): 0.100mg/m3 Less than 0.100:safety range 0.101-0.200:Light pollution 0.201-0.300:Moderate pollution 0.301 or more:heavy pollution

2)Standard for total volatile organic compounds (TVOC): 0.600mg/m3 Less than 0.600: safety range

Abnormal, inflamed, cancerous, etc.

3)Standard particulate matte(PM2.5):

Achieve 0.601 or more: Exceeding the

standard can cause respiratory system

Air quality	24 hours PM2.5
grade	average value (standard)
Good	0-12
Medium	13-35
Unhealthy for sensitive groups	36-55
Unhealthy	56-150
Very unhealthy	151-250
Hazardous	251-999

4)Grade of Air Quality Index (AQI) Very Good: 0-35

Fine: 36-115 Slight: 116-150 Serious: 151-250 Danger: 251-500

Product List

Air Quality monitor Micro USB charging cable x 1 Product Manual