

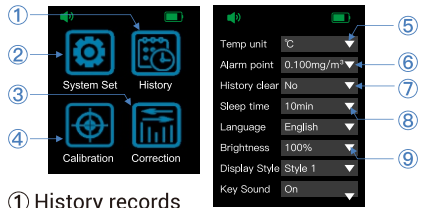
# Air Quality Detector

## Operation Manual



### d). Set up the selection interface

1. Under the main interface, press the "Settings" key to enter the Settings selection interface.
2. The Setup selection interface includes: system settings, history, sensor correction, and data correction.
3. Press the left & right button to switch the selection menu items, press the Settings key to enter the corresponding interface, and press the Return key to return to the main interface.



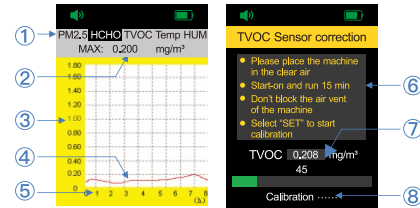
- ① History records
- ② System settings
- ③ Data correction
- ④ Sensor correction
- ⑤ °C/°F
- ⑥ 0.100mg/m<sup>3</sup>, 0.200mg/m<sup>3</sup>, 0.300mg/m<sup>3</sup>
- ⑦ Press "SET" after choose Clear
- ⑧ 1min/5min/10min
- ⑨ 10%-100%

### e). System setup interface

1. Select System Settings in the Settings selection interface, and press the Settings key to enter the System Settings interface.
2. System settings include: temperature unit, alarm point, history clear, sleep time, language switching, screen brightness, display style and key sound.
3. In the system setup interface, press left and right key to switch over the selected menu items, and press Settings to enter the currently selected menu items.
4. A pop-up appears after the previous step, press left and right to switch the options and press Settings to set the selected options.
5. In the system setup interface, press Back to return to the Setup selection interface.

### f). History record interface

1. Select History at the setting selection interface and press Settings to enter the history interface.
2. At the history interface, press Left and Right to check the history of PM2.5, TVOC, HCHO, temperature and humidity.
3. In the History interface, press Back to return to the Settings selection interface.



- ① History Items
- ② History maximum value
- ③ Y-axis: Alarm value
- ④ History Curve
- ⑤ X-axis: Time
- ⑥ Calibration Tips
- ⑦ TVOC Real-Time Value
- ⑧ Progress bar

### g). Sensor correction interface

1. Select Sensor Correction at the setting selection interface, press the Setup button to enter the sensor correction interface and a prompt pop-up.
2. The Sensor correction interface contains TVOC sensor correction and real-time concentration display of the TVOC.
3. According to the prompts of the pop-up window, press the "setting" key to start the correction. Press "return" before the correction is completed to exit the correction and return to the setting selection interface.
4. Then the interface prompts "Correction Complete".
5. Under the sensor correction interface, press the Return key to return to the setup selection interface.

### h). Data modification interface

1. Select the Data Correction in the setting selection interface, and press the Settings key to enter the data correction interface.
2. The data correction interface includes: 5 data correction of formaldehyde, TVOC, PM2.5, temperature and humidity. Switch the selection menu items through "left" and "right" key, and press "Setup" key to modify the corresponding data.
3. When the data is not modified, press the Return key at the data correction interface to return directly to the setting selection interface.
4. When the data is modified, press "Return" key in the data correction interface, pop-up prompt, press "Setting" key to save the modification, press

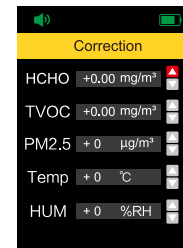
"Return" key not to save the modification, and then return to the Setup selection interface.

#### Note:

- + Represents a previous value plus this value;
- Represents a previous value minus the value.

### i). Power off

When the instrument is turned on, push the power switch down to complete the shutdown.



### Alarm prompt

1. The green number display indicates good air, the yellow display indicates that the air is generally or slightly polluted, and the red display indicates serious pollution.
2. Voice alarm or prompt:
  - ✘ When HCHO concentration exceeds the preset concentration for more than one minute (threshold in the system setting), voice prompt "gas concentration exceeds the standard";
  - ✘ When the battery power is low, the voice prompt "battery power is insufficient", at this time the user needs to charge the machine in time;
  - ✘ When the gas concentration exceeds the measured range, the voice prompts "exceeds the measurement range".

## 1. Product Introduction

It is a high-performance home air quality detector, mainly used to monitor PM2.5, HCHO, TVOC, CO and CO2 gas concentrations, and temperature and humidity.

The instrument adopts high-precision laser dust sensor, electrochemical HCHO sensor, semiconductor air quality sensor and temperature and humidity sensor, which has the characteristics of true and reliable measurement data and stable performance.

The instrument is equipped with a 3.2-inch color LCD display and a live voice alarm prompt.

The instrument keeps data records for the last 8 hours and can be viewed through the history interface.

## 2. Indoor Air Quality Standards

Parameter	Unit	Standard Values	Remark
HCHO	mg/m <sup>3</sup>	0.10	1-hour average
TVOC	mg/m <sup>3</sup>	0.60	8-hour average
PM2.5	μg/m <sup>3</sup>	≤35	Excellent
		35-115	Good
		115-150	Normal
		>150	Bad

### Note:

According to GB/T18883-2002 Indoor Air Quality Standard and HJ633-2012 Ambient Air Quality Index (AQI) Technical Regulations (Trial)

## 3.Applications

This product is suitable to air concentration testing in confined spaces like home, wooden furniture, leather goods, office space and interior.

## 4.Main Features

- ※ The 3.2 inch Color LCD display.
- ※ PM2.5, HCHO, TVOC concentration, and temperature and humidity were measured in real time.
- ※ Built-in memory, recording data for the last 8 hours and viewing through the interface.
- ※ Battery power is continuously monitored, and with a low power reminder function.
- ※ With live-person voice prompt and alarm function.
- ※ Free switching between Chinese and English.
- ※ One-click on / off voice function for convenient operation.

## 5.Technical Parameter

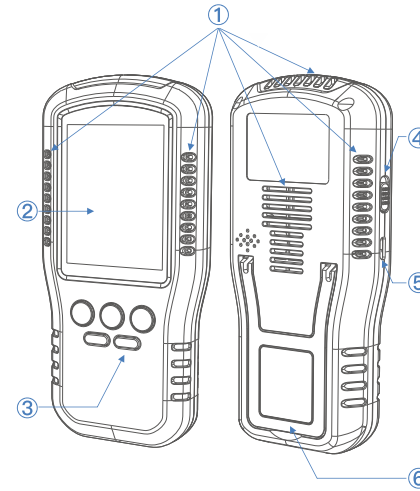
### a). Measuring range

HCHO	0-1.999mg/m <sup>3</sup>
TVOC	0-9.999mg/m <sup>3</sup>
PM2.5	0-999μg/m <sup>3</sup>

### b). Other parameters

Screen	3.2 inch color LCD display, resolution of 320 * 240
Working temperature	0 ~50
Working humidity	≤90% RH
Power supply	1500mAh lithium battery
Charger	5VDC-1.5A
Charging interface	Type-C
Weight	about 240g

## 6.Technical parameter



- ① Vent
- ② Display screen
- ③ Function keys
- ④ Power switch
- ⑤ Type-C interface
- ⑥ Support frame

## 7.Key description

	<b>Mute</b>	Cycle to switch the sound on/off
	<b>Setting</b>	Select, confirm
	<b>Return</b>	Exit, Cancel
	<b>Left</b>	Switch over the menu items
	<b>Right</b>	Switch over the menu items
	<b>Power supply</b>	Switswitch

## 8.Operation notice

### a). Power on

When the instrument is turned off, push the power switch up, enter the preheating interface, then enter the main interface.

### b). Public Information

When the instrument is turned off, push the power switch up, enter the preheating interface, then enter the main interface.

### c). Main interface

Main interface: real-time measurement of temperature and humidity, HCHO concentration, PM2.5 concentration, TVOC concentration, CO and CO2 concentration, and AQI indication.



- ① Speech state
- ② Temperature
- ③ HCHO concentration
- ④ PM2.5 concentration
- ⑤ CO concentration
- ⑥ Battery capacity
- ⑦ Humidity
- ⑧ TVOC concentration
- ⑨ CO2 concentration
- ⑩ Air quality level