

Note: In the display interface, the background color block of CO₂ and formaldehyde, the surrounding color circle of PM2.5 and the grade color block of VOC all have three states: green, yellow and red, representing the excellent, good, and bad of each indicator. And the VOC grade color block is divided into 4 segments, corresponding to 0-3 grades respectively.

3.3 Product information

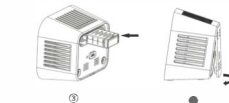
Product Type	AH7000
Working condition	-10~50°C; within 0~95%RH (Non-condensing)
Storage condition	-20~50°C; within 0~95%RH (Non-condensing)
Rated voltage	DC5V
Size	80x80x53 mm
Display	2.8 inch TFT LCD screen
Wireless module*	WiFi 802.11b/g/n Bluetooth BLE4.2

*The wireless module is an optional component and needs to be customized according to customer requirements.

04/Instructions

4.1 Install the formaldehyde:

- Take out the individually wrapped aluminum foil bag from the packaging box, open and take out the formaldehyde/VOC;
- Turn over and uncover the rear cover from the top of the product;
- Insert the formaldehyde/VOC module into the corresponding USB socket on the product;
- Insert the top buckle of the rear cover into the corresponding hole on the top of the product, and fix it with the magnet at the bottom.



4.2 Supply power to the product through the power cord, and display their quality test after warming up data.

4.3 Disassemble the formaldehyde/VOC module. Because the formaldehyde/VOC module is a consumable, if the product is not used for time, the formaldehyde/VOC module can be disassembled and installed in primary aluminum foil bag, to extend the life span of the formaldehyde/VOC module. When disassemble the formaldehyde/VOC modules, use the fingers on the built-in handle to turn the handle over, and then use the handle to take out the module.



05/Common troubleshooting guidelines

Problem description	Processing method
Backscreen, no display	<ul style="list-style-type: none"> Confirm whether the product is correctly connected to the power supply, power adapter whether meets the requirements; Confirm whether the power plug of the adapter is in good contact.
Formaldehyde value is high	<ul style="list-style-type: none"> Please keep ventilate for 15 minutes before use; Eliminate possible sources of interference: perfumes, cigarettes, perfume, fuels (which emit aromatic gases, containing alcohol, fermented products, etc.), alcohol, hand alcohol-containing items, frequent washing, etc.



Product Manual



Air Quality Monitor
AH7000



01/Preface

Thank you for purchasing the AH7000 air quality monitor. This product can detect six indicators of indoor temperature, humidity, PM2.5, CO₂, formaldehyde and VOC. Please read the instructions carefully before use and pay attention to all precautions.

Precautions

- Please keep the monitor in the power-off state when users install or remove the formaldehyde/VOC module.
- This product is only suitable for general indoor environment, please do not place it in an environment with too high (above 50°C) or too low temperature (below -20°C), do not place the product in a hot environment exposed to direct sunlight for a long time. When the monitor equipped with the formaldehyde module, please ensure that the temperature conditions is between 0°C to 40°C.
- Please stay away from hot environments with large amounts of humidity. At the same time, avoid indoor environments: stir the monitor exposed to high-concentration gas for a short time, it may cause the formaldehyde sensor to fail temporarily. Then the product must be placed in a clean and ventilated environment to recover. The recovery time may be as long as 1 to 2 days.
- Please do not block the vents when the product is in use, so as not to affect the measurement accuracy.
- The formaldehyde sensor used in this product has the characteristics of high sensitivity, so it requires a stable detection environment and eliminates external interferences:

including but not limited to ethanol (alcohol), methanol, toluene, xylene, carbon monoxide, hydrogen sulfide, etc. In order to ensure the accuracy of formaldehyde measurement, avoid using it in environments with high alcohol content such as perfume and cooking wine. If the product is placed in high concentration organic gas for a long time, it may cause irreversible damage to the formaldehyde sensor.

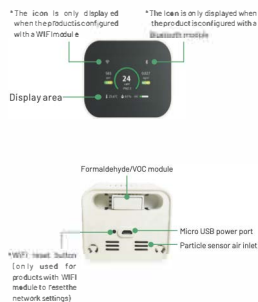
- This product uses an electrochemical sensor to detect the indoor formaldehyde concentration. The detection results are mainly for users' reference. It cannot be a substitute for professional instruments, and the detection results must not be used in any other way.

02/Packing List

- AH7000 Air Quality Monitor x1
 - Micro USB cable x1
 - Product Manual x1
- Formaldehyde/VOC module (Supplies) x1

03/Product Introduce

3.1 Appearance



3.2 Technical parameter of sensors

Indicator	Item	Explanations
Temperature	Measurement	-10~50°C
	Accuracy	±1°C (Measured after 30 minutes stable under environment in 25±2°C, 50-80%)
Humidity	Measurement	0~95%RH
	Accuracy	±3%RH
PM2.5	Measurement	0~1000µg/m ³
	Accuracy	≤100µg/m ³ : ±10µg/m ³ >100µg/m ³ : ±10% readings (Refer to GB3095, 25±2°C, 50-80%)
	Grade range	<ul style="list-style-type: none"> Excellent Moderate Bad

CO ₂	Measurement	400~5000ppm
	Accuracy	±(50ppm+5% readings)
Grade range	<ul style="list-style-type: none"> Excellent Moderate Bad 	
	Formaldehyde	Measurement
Accuracy	<ul style="list-style-type: none"> Excellent Moderate Bad 	<ul style="list-style-type: none"> ≤0.100mg/m³: ±0.03mg/m³ >0.100mg/m³: ±10% readings (Refer to GB3095, 25±2°C, Measured after 2 minutes stable under environment 50-80%)
	Grade range	<ul style="list-style-type: none"> Excellent Moderate Bad
VOC (Optional)	Measurement	Level 0、1、2、3
	Grade range	<ul style="list-style-type: none"> Excellent Moderate Bad