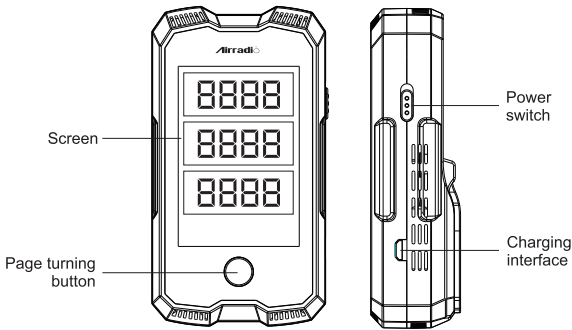


1 Air quality monitor

Air Radio E3, air monitor series products, was designed and published by Beijing Weiguo Technology Co., Ltd. Because the product function is being updated constantly, some items in this instruction may not be available to updated products.

To get the latest User Manual, please go to our website at:www.weiguopay.com

2 Product Overview



3 Operation

New instruments or after a long time storage will accumulate the odorous gas, which will seriously affect the test result. Before using the instrument, be sure to put it in the cool and ventilated place for more than 1 hour. (Not required to do anything with the instrument during ventilation)

HCHO/ TVOC Detection

1) Turn on the power switch. The detector begins to warm up and the LED screen shows countdown.

2) Start detection. Close the doors and Windows when testing. The detection site could be bedroom, living room, cabinet, cloakroom etc. In places like this, the detection time is 5 minutes per place. The recommended detection is from low concentration to high concentration place.

When HCHO>0.1mg / m³ or TVOC> 0.6mg / m³, the screen flashes.

3) After the test. Turn off the machine and keep it properly.

PM2.5 Detection

Turn on the power switch. PM2.5 will start to detect and the result could be read.

Temperature/ Humidity/ PM10 Detection

Click on the Page turning button on the screen, and the LED will display the temperature, PM10, humidity value, and after 5s it will automatically switch into the original page.

Note: some products show only three parameters.

4 Charging

Rechargeable lithium battery. Charging time: 4 hours. When charging, the indicator light is on. After full charge, the indicator light goes out. When the voltage is below 3.0 V, the screen displays "Lo". Please turn off the device and recharge.

Warning: no dismantling, collision, extrusion, or fire. If there is a serious bulge, do not continue to use. Do not put in high temperature environment.

5 Technology Specification

	Display	Digital tube display
	Dimensions	72mm X 132mm X 37mm
	Battery	Rechargeable Li-ion battery 3.7V
	Battery capacity	1800mAH
	Input	DC5V1A
	Charging temperature	-10°C ~ 45°C
	The atmospheric pressure	86Kpa ~ 106Kpa
	Humidity	20% ~ 85%
	Test temperature	-20°C ~ 70°C
	Storage temperature	-20°C ~ 50°C
HCHO TVOC Detecting	Test items	Formaldehyde and TVOC ( including benzene)
	Detection range	0 ~ 4.000mg/m³ ( HCHO ) 0 ~ 9.999mg/m³ ( TVOC )
	Detection technology	Semiconductor sensing technology
	Sampling method	Diffusion
PM2.5 PM10 Detecting	Unit	mg/m³
	Detection principle	Laser scattering principle
	Measured particle	PM2.5 , PM10
	Sampling time	3S
	Test Range	0 ~ 999µg/m³

## 6 FAQ

**Q: why does the detector appear black?**

A: The detector power is insufficient. Please ensure that the detector has sufficient power before use.

**Q: why do you need calibration?**

A: E3 adopts outdoor formaldehyde concentrate as a benchmark, and then take the indoor formaldehyde content as a comparison. So new products or products not used for a long time need to be calibrated before testing. Calibration environment must avoid spices, perfumes, paints, air fresheners, cigarettes, alcohol and other chemical pollutants, so as not to damage sensor.

**Q: If formaldehyde detection value has always been 0, the value will rise by spraying perfume?**

A: Please restart the device outdoor. Avoid fragrance, perfume, dew, paint, air freshener and incense smoke, alcohol and other chemicals, so as not to damage the sensor.

**Q: In the same location, sometimes the values are below the standard, but sometimes they exceed the standard.**

A: The instrument uses diffusion air sampling method. Indoor air is always in circulation. The amount of formaldehyde in the air may vary. It is a normal phenomenon that the detection value is fluctuating up and down.



## AIR QUALITY MONITOR E3 INSTRUCTION

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