Settings:

Double-press the power button to enter the system settings interface:

set the Language and the values by pressing UP and DOWN buttons ,the device saves settings automatically. Pressing the power button to navigate within menus.



About the Screen saver settings:

There are four options: never, 10 minutes, 30 minutes, 60 minutes.

HCHO air quality grade range			PM2.5 air quality grade range		
Air quality level	HCHO average standard value (mg/m3)	Color	Air quality level	PM2.5 average standard value (ug/m3)	color
Excellent	0.000-0.100	green	Excellent	0- 60	Green
Good	0.101 – 0.500	yellow	Good	61 - 120	yellow
Poor	0.501 – 1.999	Red	Poor	121 - 999	Red

AQI air quality grade range			TVOC air quality grade range		
Air quality level	AQI average standard value	color	Air quality level	TVOC average standard value (mg/m3)	color
Excellent	0 - 100	green	Excellent	0.000 - 0.500	green
Good	101 - 300	yellow	Good	0.501 - 1.500	yellow
Poor	301 - 500	Red	Poor	1.501 - 9.999	Red

Chapter Six Precautions

Considerations

Please read the instructions carefully before using this device.
Please calibrate the device outdoors before use for most accurate results.
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.

Chapter Seven technical indicators

PM2.5, PM1.0, PM10 technical indicators

Measuring range: 0-999mg/m3 — Measuring principle: Laser light Scattering
Resolution: 1ug/m3

HCHO technical indicators

Measuring range: 0.000-1.999mg/m3 — Measuring principle: Electrochemistry
Resolution: 0.001mg/m3

TVOC technical indicators

Measuring range: 0.000-9.999mg/m3 — Measuring principle: Electrochemistry
Resolution: 0.001mg/m3

Temperature and humidity technical indicators

Measuring range: 0-50 ° C — Measurement accuracy: ±1 °C
Humidity range: 20%-85% RH — Measurement accuracy: ±4% RH

Chapter Eight packing list

Main device * 1
Charging cable *1
Package Box * 1
User manual *1

Multi-function Air Quality Monitor

User manual



Please keep the manual handy for quick reference and troubleshooting.

Chapter One Product Introduction

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-time monitoring of formaldehyde (HCHO), total volatile organic compounds (TVOC), PM2.5/1.0/10, temperature, and humidity on its digital LCD display.

Chapter Two Function Description

Display method: 4.3" LCD screen display, 320 x 240 pixels
Atmospheric pressure: 86Kpa - 106Kpa
Detection method for PM: Laser Scattering
Sampling time: 1.5 seconds
Product Size: 131*78*67.5 mm
Detection temperature: 0°C to 50°C;
Relative humidity: 20% - 85%
Storage temperature: -10°C to 60°C;
Concentration unit for PM: ug/m³
Concentration unit for HCHO and TVOC: mg/m³
Power source: Lithium battery with 3000 mAh capacity; 5V DC power charging via micro USB port
Product weight: 340g

Chapter Three Usage

1、Initial use: The instrument is factory-calibrated by professional equipment. The first time when you use the instrument, the datas on the screen may be higher at first.,which is normal. Please take the instrument to the outdoor ventilation for 30 minutes, then it works normally.

2、Operating Instructions

1) Start Up
When you long-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.

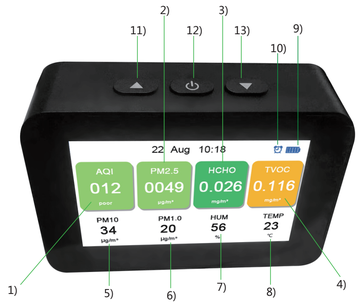
2)Turn Off
Long Press and hold the power button to turn off the power automatically.

3) 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.

Chapter Four Product Schematic diagram

1) Air Quality Index, which shows the current AQI pollution index value.
2) PM2.5 display area, showing the current PM2.5 level.
3) HCHO display area, showing the current Formaldehyde level.
4) TVOC display area, showing the current Total Volatile Organic Compound level.
5) PM10 display area, showing the current PM10 level.
6) PM1.0 display area, showing the current PM1.0 level.
7) Humidity display area, showing the current humidity level.
8) Temperature display area, showing the current temperature in Celsius.
9)Battery symbol, showing the battery or charging indicator.
10) Alarm Clock

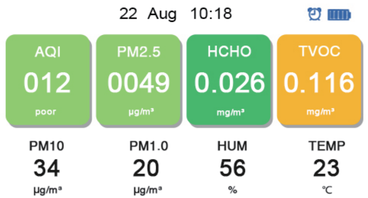
11) Switch / Increase Button, used to scroll between interfaces.
12) Power / OK / Menu Button, used to confirm highlighted options or to turn device on/off by pressing for 3 seconds,navigate within menus
13) Switch /Decrease Button.



HCHO (formaldehyde) ideal range: <=0.100 mg/m3 (0.08 ppm/m3)
TVOC ideal range: <= 0.600 mg/m3 (0.45 ppm/m3)

Chapter Five Mode of Operation

Interface 1



This is the main interface,the different background colors reflect different test levels.

Interface 2



This interface display test levels of AQI PM2.5 PM1.0 PM10 HCHO TVOC, etc. .

Interface 3



This interface display Hourly Air Quality Trends
Graph shows the last 8 data levels for AQI,PM2.5,PM1.0,PM10,HCHO,TVOC , taken every 1 hour over the previous 8 hours .