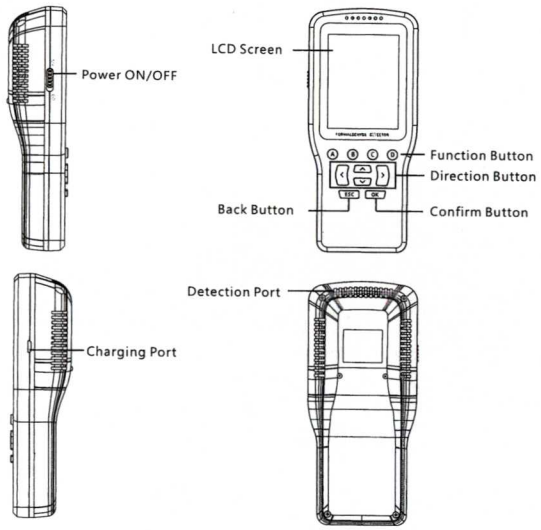
I .Introduction

The air quality monitor can be used for monitoring air quality,HCHO, TVOC, PM2.5, PM1.0, PM10, temperature and humidity. Suitable for home, office,car and other sealed space air quality measurement.

II. Product View



III. How to detect the air quality where I want?

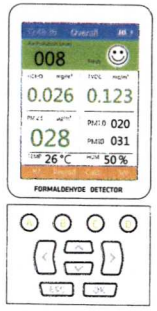
Please turn on the air monitor and leave it alone in a cool and ventilated place over 1 hour if it is the first time to use or haven' t been used more than 3 months. Or the result you get may not be accurate.

A. Calibrate the air quality monitor

a. Power on the detector and keep it running for 3 minutes without any operation.
b. Take the detector to area outdoor where the air is fresh and circulate.
c. Click "C" key to enter the auto calibration interface.
d. Click "A" key to start auto calibration.
e. After 300s (5 min), press the "D" key back to overall interface to finish the calibration.

B. Start to detect air quality

a. Take the air quality monitor to the place where you want to detect.
b. Put the air monitor in a place where is clean and keep it running for 5 minutes.
c. Then you will get more stable results of formaldehyde and TVOC.
d. At the same time, you can get the result on the screen as below:



What can the detector measure?
1. HCHO (Formaldehyde)
2. TVOC (Volatile Organic Compounds)
3. PM2.5
4. PM1.0
5. PM10
6. Temperature
7. Humidity

Air Pollution Level Reference Table

HCHO Range	PM2.5 Range	Color Bar	Hazard Level	Face Icon
<0.061	<35	Green	Fresh	☺
<0.100	<75	Light Green	Normal	
<0.370	<115	Yellow	Poor	☹
<0.775	<150	Light range	Harmful	
<1.181	<250	Orange	Serious	☹
≥1.181	≥250	Red	Danger	

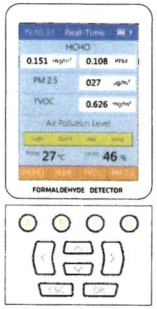
"Air Pollution Level" relies on "HCHO" and "PM2.5".

NOTE:
1. Please detect air quality from low density environment to high density environment.
2. Please put machine where is cleaning when detecting thedata.
3. Don' t block the detection port with anything when detecting the data.

IV. Interface Introduction

RT : Click"A"Key to Real-Time interface. (a)
Record : Click"B"key to Record interface. (b)
Calib : Click"C"key to Calibration interface. (c)
Set : Click"D"key to System Set interface. (d)

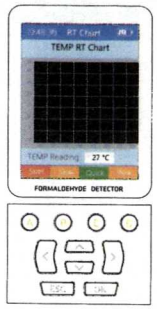
A. RT(Real-Time Interface)



HCHO : Click "A" key to view formaldehyde real time chart.
TEMP : Click "B" to view temperature Real time chart.
TVOC : Click "C" to view volatile organic compound Real time chart.
PM2.5 : Click "D" to view PM2.5 Real time chart.

Air Pollution Level Suggestion

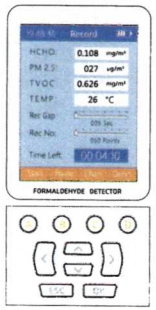
Color Bar	Air Pollution Level	Hazard Level
Green	Safe	Livable
Light Green	Normal	Temporary Stay
Yellow	Light	Don't stay long
Light Orange	Medium	Should not stay
Orange	Serious	Leave ASAP
Red	Danger	Leave now



Aa. Chart interface:
Start : Click "A" to refresh the chart.
Stop : Click "B" to stop the record on the chart.
Quick : Click"C" to refresh every second.
Slow : Click "D" to refresh every 3 seconds.

B. Record (Record Interface)

This is a recording tool to help you record data in period time. You can use this function to monitor the variety of HCHO,PM2.5, TVOC and temperature.



Rec Gap: It means record a data at regular intervals, range is 5s-120s (8 levels) , 5s bydefault.
Rec NO.: It means the record times, range is 50-500 (8 levels).
Time Left: It will tell you how long it will take to finish the job.
For example, If you set Rec Gap on 10s and Rec NO. On 100, Then the Time Left will be 00:16:40. It means the job will be finished in 16 minutes and 40 seconds.
" ^ " or " ˅ " choose the item of Rec Gap and Rec No..
" < " and " > " adjust the number value.

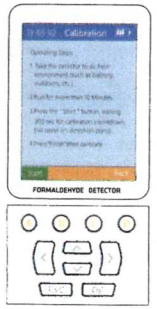
How to record the data in period time?

1. Set the period time you want.
2. **Start** : Click "A" key to start recording. Press again it will rerecord and clear the last data.
3. **Pause** : Click "B" key stop recording, press again to continue.
4. **Chart** : Click "C" key to view the chart after the time went out.
5. **Detail**: Click "D" key to view the record detail.

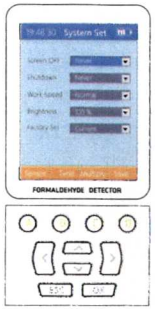
NOTE:
1. When you use this function for long time, you should pay attention to the power of the device.
2. When you start the function, you can' t operate the machine,or it will be interrupted.

C. Calibration Interface

How to calibrate the device? Please reference Ⅲ-A to Calibrate theair quality monitor.



D. System Set Interface

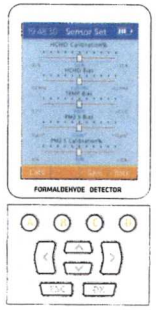


Screen OFF: Auto sleep function of screen. Default is 10 minutes.
For example, if you select for 10 minutes, the screen will be auto off after 10 minutes without any operation. You can set to 1min, 10min, 30min or Never according to your need.
Shutdown: Timed shutdown. Default is 2 hours. For example, if you select 2 hours, the device will shut down automatically after 2 hours.
Work Speed: Sensor detection speed.
Brightness: Adjust the brightness of the screen. You can choose 25%, 50%, 75%, 100% or auto according to your need.Factory Set: If you restore to factory set, the data you set before will be clear.

Operations:

1. " ^ ", " v " select the channel.
2. Click "**OK**" to open the options.
3. " ^ ", " v " select the one you want.
4. Click "**OK**" to confirm.
5. Click "**D**" to save the settings and back to previous interface.

Da: Sensor



Sensor set is used to calibrate the device manually.
When you can't find an area where the air is clear to calibrate the device or you find that the results are not accurate. You can re-calibrate the device manually with the data of these elements you already know.

FAQ:

If the HCHO value on detector is 0.010, the actual value is 0.013. How to calibrate the device?

1. Enter the sensor set interface.
2. Click "^" or "v" select HCHO Bias.
3. Click " < " to adjust the value to 30%.
4. Click "**C**" to save.
5. Back to overall interface, then the HCHO value is 0.013.

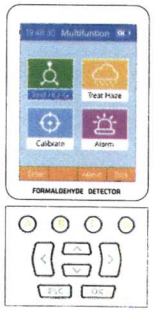
Db: Time

Set the date and time of the device.

Operations:

1. Click "**B**" to the time interface.
2. " < " and " > " select the option of year, month, date, hour, min or sec.
3. " ^ ", " v " adjust the value.
4. Click "**D**" to save settings and back to system set interface.

Dc: Multiply Interface



Click "**C**" to multifunction interface.
Enter : Click "**A**" to enter to the child interface.
About: Click "C" to see the information of the product.
Back: Click "**D**" or "**ESC**" to previous interface.
" ^ " " v " " < " " > " to select the function part.
"Treat HCHO" function is to estimate the cost to clear the formaldehyde.
"**Treat Haze**" function is to estimate hthe cost to clear PM2.5 (dust in air).
"**Caliberate**" function is to calibrate the device automatically.
"**Alarm**" function is to warn people when the air pollution index reach the setting line.

How to estimate the cost to clear formaldehyde?

1. Select the "**Treat HCHO**" or "**Treat Haze**"
2. Click "**A**" or "**OK**" to the HCHO Calculator.
3. Click " ^ ", " v " to select Room Area, Room Type, HCHO Density or Clear Mode.
4. Click " < "," > " to select the child item according to your situation, press "**OK**" to confirm.
5. The "**CALC**" key will turn gray to yellow.
6. Click "**A**" to see the information you need.

Take the same steps to get the information on Haze clean.

Dd: Alarm Interface

Stop: Click "**A**" to stop the alarm when it is working.
Click "**B**" to set the time of the alarm working (10s, 30s, 1miu).
Click "**C**" to choose the voice of the alarm (Tune 1, Tune2, Tune3).
Click "**D**" to turn on/off the alarm.

How to set the standard of HCHO?

1. Select the "**Alarm**".
2. Click "**A**" or "**OK**" to the Alarm Set Interface.
3. Click " < " " > " to set the standard of HCHO between 0.08mg/m³-0.3mg/m³.
4. The alarm will be ringing if the HCHO density reaches the value you set and the alarm is on.

Hazard Level Reference in Alarm Interface

Color Bar	Hazard Level
Green	Fresh
Light Green	Normal
Yellow	Poor
Light Orange	Harmful
Orange	Serious
Red	Danger

Caution

1. Do not disassemble privately.
2. Stop using if the appearance of the device deformed.
3. Do not use it in high-temperature and high humidity environment.

V. Technical Parameter

Item	Parameter
HCHO Test Range	0.000-1.999 mg/ m³
TVOC Test Range	0.000-9.999 mg/ m³
PM1.0/PM2.5/PM10 Range	0-999μg/ m³
Temperature Test Range	32°F-122°F(0-50°C)
Humidity Test Range	20-90%RH
Battery Capacity	1000mAh
Input	5.0V/1A
Working Environment	41°F-113°F (5-45°C) , <90% RH
Storage Environment	32°F-122°F(0-50°C) , <90% RH
Product Dimension	5.9"x2.7"x1.5"(15cmx6.8cmx3.7cm)
Product Weight	0.37lb (170.5g)
Charging Time	About 4 hours

VI: FAQ

Q: When should I calibrate the air quality ?
A : The detector need to be calibrated in theses cases:
1. First time to use.
2. When the results are not accurate.
3. The detector will be used again after storing over 3 months.

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IF Any Problem with the Air Quality Monitor, Contact Us Please :).