

Instructions for DM103 Air Quality Monitor

(PM2.5 smog detection)

Air quality monitor instruction manual

Product parameters

Display method:	LED screen/TFT	Detectionoftemperatu	−20° −60°
Atmospheric pressure:	86Kpa–106Kpa	Relative temperature:	20% −85%
Display method:	PM2.5,HCHO,TVOC	Storage temperature:	−20℃ −45℃
Detection principle:	Laser scattering	Concentration unit:	ug/m³
Sampling time:	3S	Power supply:	Lithium battery

Note: Due to limited shooting, physical picture may be associated with some small differences in kind, whichever is requested.

Product description

Thank you for choosing this product, it is a professional air quality detector. The pollutant index can be measured indoors and outdoor by the detector, giving you a healthy living environment.

Air pollution, mainly from the haze, dust particles, smoke, car exhaust, second-hand smoke, soot, etc. Air pollution is extremely harmful to the body, this product can detect the air pollution index.

This item uses laser dust sensor with fast response, high accuracy and good stability. Multi-layer filter anti-interference, anti-false alarm, to prevent other gas interference, PM2.5 measurement accuracy greatly improved.

The appearance of this product is high-end sophisticated, simple operation, built-in power supply (with data cable), six-in-one multi-function precision detection, high precision.

Precautions

- Please place the instructions in an easy way to find them in time.
- Read the instructions carefully before using the machine.
- For proper use of this product, please observe the following precautions.

! considerations

- Never allow unauthorized modification or repair of this product.
- Do not use water or other liquids to enter the product to avoid damage.
- Do not cover the air intake during use, to make sure testing value correctly.
- Do not spray any liquid or spray on the product.

Product Features

Before operating and using the product, please read this user manual carefully and keep it in order for future use.

PM2.5 air detector function description

Function:
Support 2.8 "FTF LCD display, 320 * 240 pixels.
High-speed ARM master program.
Simple operation screen.
Using imported laser PM2.5 detection probe, support PM1.0, PM2.5 and PM10 detection.
Using independent HCHO and TVOC air detection probe.
Support different interface display, more humane.
PM 2.5 Exceeded alarm and Alert alarm.
HCHO and TVOC testing value Exceeded alarm and Alert alarm.
Support built-in high-capacity lithium battery.
Support long life working, you can move the test PM2.5 and HCHO and TVOC air environment.

Instructions

1) Boot

When you press the multi-function button, the instrument automatically enter the boot mode, LED display below

PM2.5

76

ug/m³

HCHO

0.026

mg/m³

TVOC

0.197

mg/m³

PM1.0≈

71

PM10≈

106

AQI

98

01.PM2.5 display area, showing the current PM2.5 value
02.PM10 display area, showing the current PM10 value
03.PM1.0 display area, showing the current PM1.0 value
04.Air quality index, showing the current AQI value
05.The battery symbol shows the charge indication and charge indication
06.Formaldehyde display area, showing the current HCHO value. Formaldehyde test need to 200 seconds warm after boot, automatically enter the 200 seconds preheat countdown.
07.Toluene display area, showing the current TVOC value. Formaldehyde test need to 200 seconds warm after boot, automatically enter the 200 seconds preheat waiting, LED show:--- on waiting period.

2.Formaldehyde correction method

When the formaldehyde content is not in the normal range, the machine can be calibrated. Correct the method to find a clean formaldehyde-free place Quickly press the function key twice after the machine will be self-correcting. After the correction is complete, go to the test.
LCD full graphics;

PM2.5

76

ug/m³

HCHO

0.026

mg/m³

TVOC

0.197

mg/m³

PM1.0≈

71

PM10≈

106

AQI

98

Temperature test, temperature range: −20 to 70 degrees
Humidity test, humidity range: 20% to 90%
Temperature and humidity livable environment:
Temperature: 15–25 degrees
Humidity: 45–65% RH

Instructions

Button Function Description

1) Press and hold the function key for 3 seconds, LED display show below
2) After the instrument is switched on, it is automatically tested

PM2.5

76

ug/m³

HCHO

0.026

mg/m³

TVOC

0.197

mg/m³

PM1.0≈

71

PM10≈

106

AQI

98

1) PM2.5, PM10, PM10 after the boot, the current value is displayed.
PM2.5 from good to bad followed by: 0–35–75–115–150–250–350–1000–explosion table.
AQI from good to bad as follows: 0–50–100–10–200–300–400–1000–explosion table.
2) HCHO into 200 seconds countdown, after 200 seconds, the preheat.
After warm-up HCHO and TVOC after the numerical display.
Formaldehyde GB: 0.08 (0.10) to show a good environment.

Instructions

4.Display interface conversion

Press the function key, automatically switch to another interface, as show below

PM2.5 Index

0

500

Pollutant

AQI

PM1.0

PM10

HCHO

TVOC

Figure 1

power off...

Figure 2

Long press the function key, LED display is off, let go function key and then shut down as show above.

Instructions

1) Charge

Insert one end of the USB cable into the top of the instrument and the other end into the top of the charging head. The input voltage is 5V 1A
Charging time is about 3–4 hours.

2) Automatic screensaver and Automatic shutdown,
If in an hour, there is no operation of the device, automatically enter the black screen protection. If there is no operation within two hours.
Automatic shut-down.

Parameter Description:
Particulate matter Measuring range: 0.3–1.0; 1.0–2.5; 2.5–10 micron (um)
Particle mass concentration Effective range (PM2.5 standard value): 0–500 ug/m
Built-in battery: 2200mA / H lithium battery
LED: 2.8 " 320 * 320 pixels
The input voltage is: 5V 1A
Product Size: 10* 9.5 *5cm

Warranty Card(User)				Cut along this dotted line	Vice(affiliated)	
Warranty card		Code			Model	
user name		contact number			Code	
Warranty card					Username	
Warranty card		Purchasing date			Contact number	
Dealer(place of purchase)					Zip code	
address					Date of purchase	
Zip code	contact number				Dealer	

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