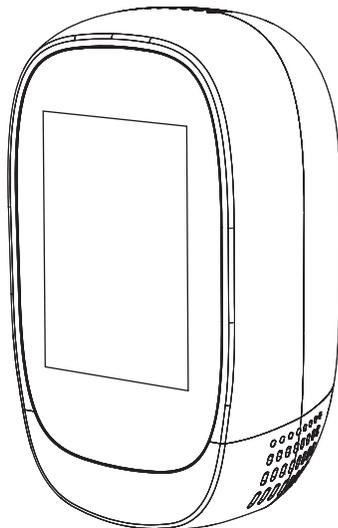


Air Quality Monitor

Q10



Contents: AQM×1, USB cable×1, User Manual×1

Please read this user manual before operation,
and keep it in a safe place for future reference.

RoHS

Equipment : AQM Model : Q10X						
Substances	Restriction of Hazardous Substances Directive					
	(Pb)	(Hg)	(Cd)	(Cr ⁺⁶)	(PBB)	(PBDE)
Casing	○	○	○	○	○	○
Circuit board	—	○	○	○	○	○
Power cord (USB)	○	○	○	○	○	○
LCD	○	○	○	○	○	○
Sensing module	○	○	○	○	○	○

note 1. "Over 0.1 wt %" & "over 0.01 wt %" indicates that the percentage content of the restricted substance exceeds the percentage of reference value of presence.

note 2. "○" indicates that the percentage content of the restricted substance does not exceeds the percentage of reference value of presence.

note 3. "—" indicates the restricted substance is excluded.

Introduction

Thank you for choosing AQM (Air Quality Monitor) Q10. We always strive to give you the best. This user manual will show you how to use this product properly. Please read carefully before use. By monitoring your indoor air pollution, you can make the right decision to improve your indoor air quality. Should you encounter any problems while using Q10, please do not hesitate to contact our customer support. We hope you enjoy your Q10!

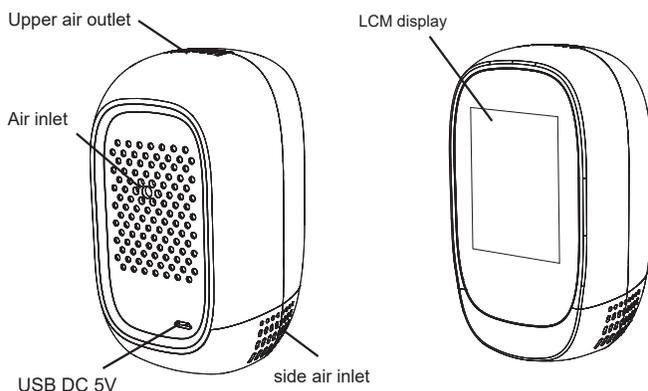
Features

- Detecting PM2.5, TVOC (Volatile organic compounds), CO2, temperature and humidity.
- Full-color LCM, 3.5" 320*480 color TFT.
- 4-stage (green, yellow, orange, red) status and data display.
- USB cord included for external DC5V power input (adaptor not included).
- Streamline shape design with portable size. Monitor the air quality anywhere you like.

Safety Instructions

- Never apply other wrong power supply except DC5V to unit as it could cause damage, shock, fire or other hazards.
- Do not place anything on top of the unit.
- Do not cover the air inlet or outlet.
- Always place it on a flat surface.
- Do not place it in or near liquid.
- Do not place it under the sun or near a heat source. It is only for indoor use.
- Do not disassemble or modify it.
- The unit can only be used to monitor air quality and not to improve air quality; do not use it as a medical device.
- Do not expose the sensor inlet to direct intense light to avoid interference that may cause abnormal readings displayed by the product.

Unit Parts



Usage Guide

- Choose a suitable place for the unit. For example: Close to the source of pollution or air circulation, but avoid heat or unstable airflow.
Not recommended for use in the following environments :
(a) Smoking room. (b) High oil smoke environment, such as kitchens. (c) High mist environment, such as hot springs, bathrooms. (d) More airtight environment, such as bookcase. (e) Extremely poor air quality. If the sensitivity of the sensor decreases after use in the above environments, please restart the device first, which can automatically calibrate the sensor.

- Connect the unit with the USB cord to an USB (DC5V / 1A) power source, such as an adaptor or USB charger. It is necessary to avoid unstable power supply for this product.

Read air quality:

Green means good air quality.

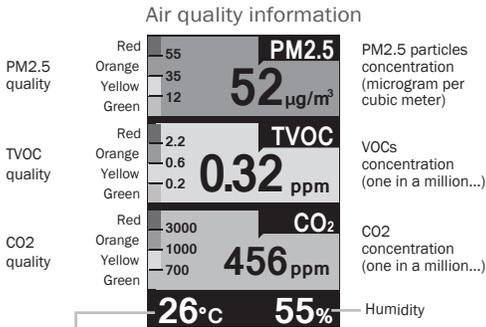
Yellow means the air quality is acceptable, and running an air purifier (or introducing fresh air when CO₂ is getting higher) is recommended.

Orange means poor air quality. Please use an air purifier or introducing fresh air and confirm the source of pollution.

Red means the air quality is bad (unhealthy). Be sure to use an air purifier or introducing fresh air and confirm the source of the pollution.

Note : At start-up, during a half or one minute, dynamic symbols “” will appear on the screen before data displayed.

The detection is for home environment, regional air quality monitoring. To accommodate to the environment, each time when start-up, during the first 30 minutes, the readings are for reference as it being collecting environmental data for sophisticated computation to improve the readings. It works normally after the initiation.



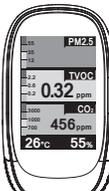
Air quality status

Pollution	Good (Green)	Moderate (Yellow)	Polluted (Orange)	Unhealthy (Red)
PM2.5 (µg/m ³)	0~<12	12~<35	35~<55	55~
TVOC (ppm)	0~<0.2	0.2~<0.6	0.6~<2.2	2.2~
CO ₂ (ppm)	400 ~<700	700 ~<1000	1000 ~<3000	3000~

Temperature

Note : After activating the environmental temperature detection, it takes about 15 minutes to reach equilibrium before it can function normally."

Trouble Shooting

Issus	Possible Reasons	Possible Solution
1.PM2.5 displays no value, or other abnormal numerical display (as shown in Figure 1). 2.After power on, the screen is completely black (as shown in Figure 2). 3.After running for a period of time, the PM2.5 value remains fixed at >400 (as shown in Figure 3).	1.The charging adapter output current is insufficient. 2.The USB cable is too thin, affecting the output power. 3.The copper wires inside the USB cable are damaged.	1.Please replace the charging adapter with an output of DC5V/1A or higher. 2.Please replace the USB cable with one provided by our company or a USB cable with a thicker gauge.
 (Figure 1)		
 (Figure 2)		
 (Figure 3)		

Maintenance

- Please unplug it first before cleaning.
- If the casing of the unit is dirty, please wipe it with a dry soft cloth. Do not use cleaners containing volatile substances such as alcohol, otherwise the residual gas will affect the TVOC reading.
- Do not clean it with a feather duster.

Specification

Model	Q10
Voltage	DC 5V
Temperature	0~45°C, less than 99%RH (non-condensing)
Measuring items	PM2.5, TVOC, CO ₂ , temperature and humidity
Response time	Less than 2 seconds
Measuring ranges	PM2.5: 0~500ug/m ³ ; TVOC: 0~20ppm ; CO ₂ : 400~3500ppm ; Temperature: 0~60°C ; Humidity: 0~99%RH
Screen	3.5" full-color 320*480 TFT LCM
Power connection	USB cord
Wattage	2.0 W
Size	84W x 75D x 146H mm
Net weight	215 g