

FEATURES

- Clear 2" TFT LCD Display.
- With Wireless (WiFi) connection function.
- Instant measurement of PM2.5.
- Humidity and temperature display.
- Switchable temperature unit.
- Date and time display.
- Alarm setting.
- Six colors bar-graph display correspond to the PM2.5 AQI index indicate the different levels of health concern.
- Compatible with Android 4.0 or higher / iOS 7.0 or higher.

RS PRO PM 2.5 Indoor Air Quality Monitor

RS Stock No.: 2050086




RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

- The PM 2.5 Air Quality Monitor is designed with a laser particulate matter sensor for and a high-precision humidity/temperature sensor.
- It can provide real-time, reliably accurate measurement of indoor particulate matter PM2.5, humidity and temperature.
- Easy operation and read the data from mobile phone APP via wireless (WiFi) connection.

General Specifications

Model Number	TM-280W
Measurement	Particulate Matter PM2.5/ Humidity / Temperature.
Sensor used	Laser, Band Gap and Capacitive
Display Type	2" TFT LCD
Mounting	Desktop Mount / Handheld
Switchable Temperature unit	°C / °F
Automatic power off	Automatically shut down after 60 minutes when no external power input.
Low power indicator	Low battery indication “  ” when no external power input.
WIFI wireless module (built-in antenna)	802.11 b/g/n (802.11n up to 150 Mbps)
APP application software	Compatible with Android 4.0 or higher / iOS 7.0 or higher.
Operating Temperature and Humidity	+5°C to +40°C / <80%RH
Storage Temperature	-5°C to +40°C / <70%RH

Measurement

Parameter	Measuring Range	Accuracy	Resolution
Particulate Matter (PM 2.5)	0~500 µg/m ³	<=5µg/m ³ : ±5µg/m ³ > 50µg/m ³ : ±10% of readings	1
Temperature	-20 ~ +50 °C	±2°C	0.1°C
Relative Humidity	1 ~ 99 %RH	20 ~ 80%RH @25°C: ±3%RH Other range @25°C: ±5%RH	0.1%RH

Electrical Specifications

Operating Supply Voltage	5V
Battery Type	Rechargeable Lithium Battery: 3.7V 18650 2600mAh
Battery life	About 8 hours for continuous use
Plug Type	Universal Interchangeable Plug

Mechanical Specifications

Dimensions	84mm x 81mm x55mm
Width	
Length	
Height	
Weight	217g

Approvals

Compliance/Certifications	CE / RED
Declarations	

ACCESSORIES INCLUDED WITH PM2.5 Indoor Air Quality Meter
User's Manual x1
Instrument (Built-in Rechargeable Li-ion Battery) x1
USB AC to DC adaptor with Universal Interchangeable Plugs), 5V/1A x1
USB cable (for charging use) x1