

INDOOR AIR QUALITY METER

SI7420

SI7420 is air quality meter that measures a range of environmental parameters such as CO₂, PM_{2.5}, PM₁₀, TVOC, HCHO, AQI, temperature, and humidity is a comprehensive device used for assessing indoor air quality. Such meters are designed to provide detailed information on the air quality in residential, commercial, and industrial spaces, helping to maintain a healthy environment and meet safety standards.



FEATURES

- Laser sensor for PM_{2.5} to detect dust Smog.
- Electrochemistry sensor for HCHO
- Semiconductor sensor for TVOC.
- Temperature and Humidity sensor.
- AQI for Integrated air quality index.
- Large 3000mAh capacity lithium battery

TECHNICAL SPECIFICATION

Display	LCD screen display
Measured Gases	CO ₂ /PM _{2.5} /PM ₁₀ /TVOC/HCHO/AQI/Temp/Humidity
Measuring range CO ₂	400 - 5000PPM Resolution: 1 PPM
Measuring range PM 2.5	0 ~ 999 µg / m ³ Resolution : 1µg /m ³
Measuring range PM 10	0 ~ 999 µg / m ³ Resolution : 1µg /m ³
Measuring range TVOC	0.001 ~ 9.999 mg / m ³ Resolution : 0.001mg /m ³
Measuring range HCHO	0.001 ~ 1.999 mg / m ³ Resolution : 0.001mg /m ³
Atmospheric Pressure	12.5 psi ~ 15.4 psi
Temperature	-10°C ... 50°C Accuracy : ± 1°C
Humidity	20%RH ... 85% RH Accuracy : ± 4%RH
Battery	Built in Li-battery 3000mAh
Material	ABS
Dimension	240 x 120 x 20 mm
Weight	428g