

General Data

Detection Parameters(max.)	PM2.5/PM10, CO ₂ , TVOC, Temperature & RH, HCHO
Output (Optional)	. RS485 (Modbus RTU or BACnet MSTP) . RJ45/TCP (Ethernet) with an extra RS485 interface . WiFi @2.4 GHz 802.11b/g/n with an extra RS485 interface
Operating Environment	Temperature: 0~50 °C (32 ~122°F) Humidity: 0~90%RH
Storage Conditions	-10~50 °C (14 ~122°F)/ 0~90%RH (No condensation)
Power Supply	12~28VDC/18~27VAC or 100~240VAC
Overall Dimension	130mm(L)×130mm(W)×45mm (H) 7.70in(L)×6.10in(W)×2.40in(H)
Power consumption	Average 1.9w (24V) 4.5w(230V)
Material of Shell & IP Level	PC/ABS fire-proof material / IP20
Certification Standard	CE, FCC, ICES

PM2.5/PM10 Data

Sensor	Laser particle sensor, light scattering method
Measuring Range	PM2.5: 0~500µg/m ³ PM10: 0~800µg/m ³
Output Resolution	0.1µg /m ³
Zero Point Stability	±3µg /m ³
Accuracy (PM2.5)	10% of reading (0~300µg/m ³ @25°C , 10%~60%RH)

CO₂ Data

Sensor	Non-Dispersive Infrared Detector (NDIR)
Measuring Range	0~5,000ppm
Output Resolution	1ppm
Accuracy	±50ppm +3% of the reading (25 °C, 10%~60%RH)

Temperature and Humidity Data

Sensor	High precision digital integrated temperature and humidity sensor
Measuring Range	Temperature : -20~60 °C (-4~140°F) Humidity : 0~99%RH
Output Resolution	Temperature : 0.01 °C (32.01 °F) Humidity : 0.01%RH
Accuracy	Temperature : <±0.6°C @25°C (77 °F) Humidity : <±4.0%RH (20%~80%RH)

TVOC Data

Sensor	Metal oxide gas sensor
Measuring Range	0~3.5mg/m ³
Output Resolution	0.001mg/m ³
Accuracy	±0.05mg/m ³ +10% of reading (0~2mg/m ³ @25°C, 10%~60%RH)

HCHO Data

Sensor	Electrochemical Formaldehyde sensor
Measuring Range	0~0.6mg/m ³
Output Resolution	0.001mg/m ³
Accuracy	±0.005mg/m ³ +5% of reading (25 °C, 10%~60%RH)