WiFi Indoor Air Quality Monitor

- **Real-time CO2, Temperature, Humidity, Particle (PM2.5, PM10) and VOC Level Control & Monitor**
- **Light ring changes color depending on air quality**
- **Uses WiFi or RS485 to configure or read data**

The WiFi Indoor Air Quality Monitor monitors indoor air for carbon dioxide, temperature, % relative humidity, airborne particles, or volatile organic compounds. The easy-to-read light ring changes color depending on the quality of the air you want to measure. This makes the WiFi Indoor Air Quality Monitor the perfect solution for intelligent buildings, intelligent house systems and air quality data collection systems.

Models

Model.	PM2.5	PM10	Temp/ RH	CO_2	TVOC	18~24VDC Power supply	100~240VAC Power supply	outputs
TON-0018C	●	●	●	●	●	●		RS485
TON-0018D	●	●	●	●	●		●	RS485
TON-0016C	●	●	●	●		●		RS485
TON-0016D	●	●	●	●			●	RS485
TON-0028C	●	●	●	●	●	●		WIFI
TON-0028D	●	●	●	●	●		●	WIFI
TON-0023C	●	●	●	●		●		WIFI
TON-0023D	●	●	●	●			●	WIFI

Dimensions

Specifications

General Data	
Detection Parameters	PM2.5, PM10, CO2, TVOC, Temperature, %Relative Humidity
Output	RS485(Modbus RTU) WIFI
Operating Environment	Temperature: 0 -~122°F (0~50℃), Humidity: 0~99%RH
Storage Conditions	14°F~122°F (-10℃~50℃) Humidity: 0~95%
Power Supply	18~24VDC or 100~240VAC
Overall Dimensions	5.1 x 5.1 x 1.8 in. (130 x 130 x 45mm)
Material of Shell & IP Level	PC /ABS fire-proof material / IP30
Certification Standard	CE
PM2.5/PM1 Data	
Sensor	Laser particle sensor, Light scattering method
Measuring Range	PM2.5: 0~400μg/m^3 PM10: 0~500μg/m^3
Output Resolution	0.1μg/m^3
Zero Point Stability	±5 μg/m^3
Accuracy	10% of reading
Temperature and Humidity Data	
Sensor	High precision digital integrated temperature and humidity sensor
Measuring Range	Temperature: 32°F~122°F (0℃~50℃). Humidity: 0~99%
Output Resolution	Temperature: 32.18°F (0.01℃), Humidity: 0.01%
Accuracy	Temperature: < ±0.5°F (0.5℃) @ 77°F (25℃) Humidity: < ±3.0%（20%~80%RH）
CO2 Data	
Sensor	Non-Dispersive Infrared Detector (NDIR)
Measuring Range	0～5,000ppm
Output Resolution	1ppm
Accuracy	±40ppm + 3% of the indication @ 77°F (25°C), 5 ~ 60%RH
TVOC Data	
Sensor	TVOC
Measuring Range	0 – 2.0mg/ m^3
Output Resolution	0.001mg/m^3
Accuracy	±0.02mg +10% of the indication @ 77°F (25°C), 5~50%RH

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