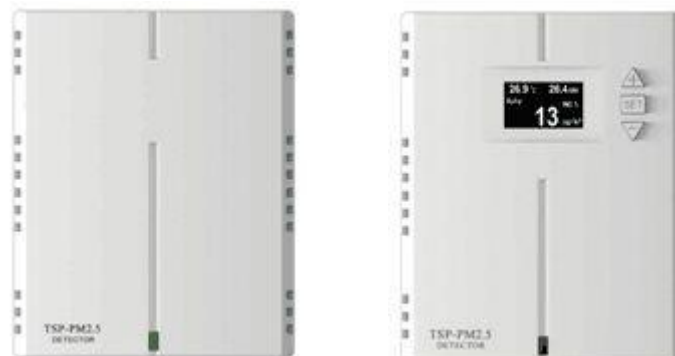


IAQ Indoor Air Quality Monitor

–Designed for hotels, houses and other public places to detect the indoor air quality

- *Experienced in designing IAQ product for 12 years, long term exportation to Europe and America, powerful performance guaranteed*
- *Real-time detecting indoor PM2.5/PM10, CO2, TVOC, Temperature and relative humidity*
- *Built-in self-owned patent measurements of temperature and humidity compensation technology*
- *Suitable for hotels, residential projects to analyze indoor air quality, and to control ventilation systems, etc.*
- *Wall mounting, provide Modbus RS485 and WIFI optional*
- *Basic function of indoor air detector*



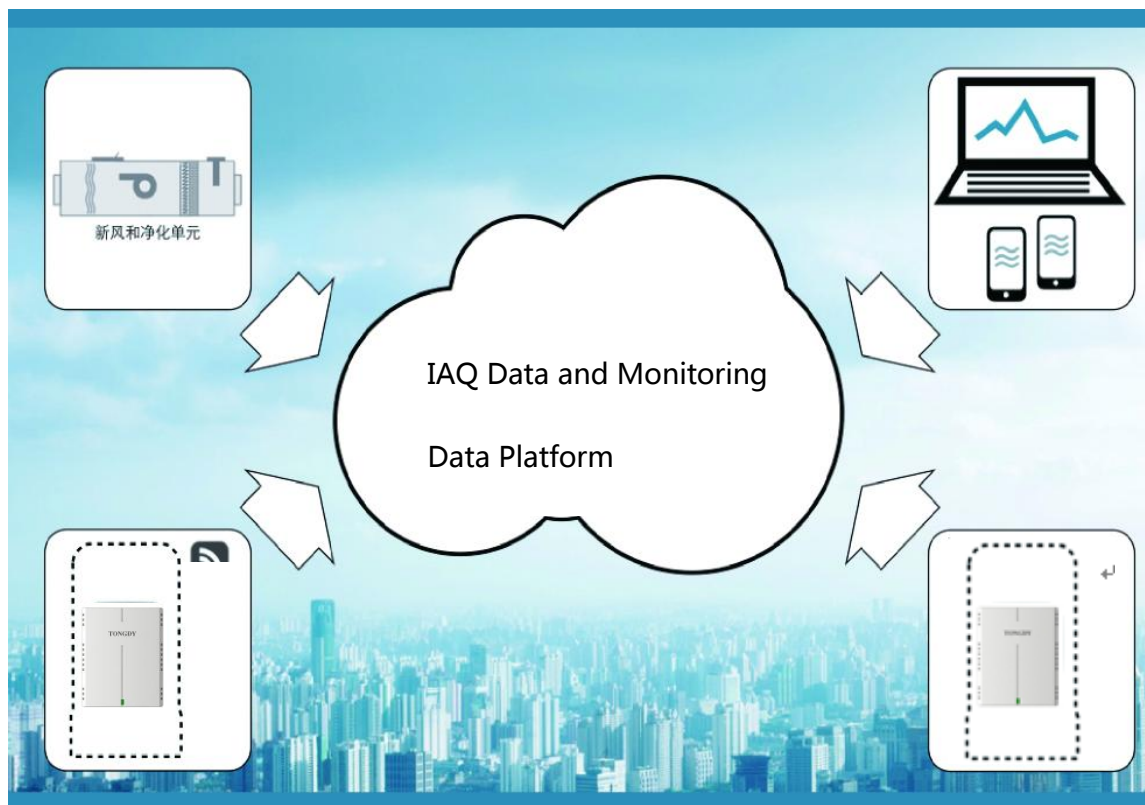
Features

- IAQ detector designed for civilian use with affordable price
- 24 hours online real-time IAQ detector
- Real-time output PM2.5/PM10, CO2, TVOC and humidity data
- Using special pattern to ensure the measurement value does not effected by the surrounding
- Modbus RS485 interface and WIFI available, suitable for networks in existing and modern buildings
- OLED displays real-time data (optional)
- Indicators with three different colors to show range of IAQ density
- Wall mounting, 24VAC/VDC power supply
- With over 12 years' experience in designing IAQ products and long-term exportation to Europe and America, we provide a dozen of different types of IAQ products for different applications
- RJ45 Ethernet interface product customizable

Main Application

- Smart Home Systems
- Residential projects
- Hotels, class rooms, offices and other public places where need IAQ monitoring with civil level
- Air quality monitoring in other public places

Monitoring System Illustration



Specifications

General Data	
Detection Parameters	PM2.5/PM10; CO2(optional); TVOC(optional); temperature&humidity
Output	RS485 (Modbus RTU) WIFI RJ45 (Ethernet)
Display screen (optional)	High quality clear OLED screen. Black screen with white letters (default); White screen with black letters (switchable) Able to set up monitoring data display: Shows some data or one data, manual Shows other data.
Operating Environment	Temperature: 0~50℃ Humidity : 0~99%RH
Storage condition	-10℃~50℃ Humidity : 0~90%RH (No condensation)

Power supply	24VAC±10%, or 12~36VDC
Overall Dimension	94mm(L)×116.5mm(W)×36mm(H)
Material of Shell & IP Level	PC/ABS fire-proof material / IP30
Installation	Concealed installation: 65mm×65mm wire box Open installation: can choose desktop mount
PM2.5/PM10 Data	
Sensor	Laser particle sensor, Light scattering method
Measuring Range	PM2.5: 0~1000μg/m ³ PM10: 0~1000μg/m ³
Output Resolution	1μg/m ³
Zero Point Stability	±5μg/m ³
Accuracy	<±15% (@ 25°C, 10~50%RH)
Temperature and Humidity Data	
Sensor	High precision digital integrated temperature and humidity sensor
Measuring Range	Temperature : 0°C~50°C / Humidity : 0~99%RH
Output Resolution	Temperature : 0.01°C / Humidity : 0.01%RH
Accuracy	Temperature : <±0.5°C@25°C Humidity : <±3.0%RH (20%~80%RH)
CO₂ Data	
Sensor	Non-Dispersive Infrared Detector (NDIR)
Measuring Range	400~2,000ppm
Output Resolution	1ppm
Accuracy	±75ppm or 10% of reading (@ 25°C, 10~50%RH)
TVOC Data	
Sensor	TVOC module
Measuring Range	0~ 4.0mg/m ³
Output Resolution	0.001mg/m ³
Accuracy	±0.02mg+5% of the reading

Models Guide

Model	PM2.5/ PM10	Temp/ RH	CO ₂	TVOC	24VAC/VDC Power Supply	Output
TSP-1611C	●	●			●	RS485 (Modbus RTU)
TSP-1613C	●	●	●		●	
TSP-1618C	●	●	●	●	●	
TSP-1621C	●	●			●	WIFI
TSP-1623C	●	●	●		●	
TSP-1628C	●	●	●	●	●	
TSP-1631C	●	●			●	RJ45 (Ethernet)
TSP-1633C	●	●	●		●	

TSP-1638C	•	•	•	•	•	
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Installment

