

Description

AQW series was designed for air quality measure, such as PM2.5, Ch20, CO2, temperature and humidity. Use high-precision sensor to ensure long-term stability and reliability of the instrument. Panel with large LCD display, easy to read the measuring value. And also have 4 LED indicator to indicate air quality status and device running. AQW series communication port is WiFi, it's convenient for data collect, support Modbus TCP protocol, and others cloud protocol.

Applications

Production Line , Warehouse , Public Places , Intelligent Building
Smart Home , Building Automation air quality monitoring



Ordering Information

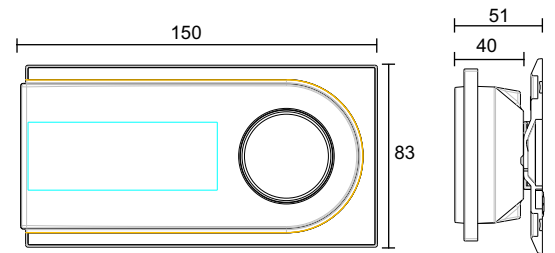
MODEL	FUNCTION
AQWCO2HT	CO2 + Temp. & Humi. Sensor
AQWPM2.5HT	PM2.5 + Temp. & Humi. Sensor
AQWCH2OHT	CH2O + Temp. & Humi. Sensor
AQWHT	Temp. & Humi. Sensor

Technical Specification

PM2.5	
Sensor Type	Laser Type PM2.5 Sensor (Mie)
Warm Up Time	≤5 minute
Measuring Ability	1um (Minimum particles)
Measuring Range	0~500 µg/m ³
CO2	
CO2 Measuring method	NDIR Sensor
Measuring Range	0~3000ppm
Accuracy	±80ppm
Reproducibility	±20ppm
Resolution	1ppm
CH2O	
Sensor Type	Electrochemical
Gas Type	Formaldehyde
Interference Gas	Alcohol and CO
Measuring Range	0~5ppm
Resolution	0.01ppm
Warm Up Time	≤3 minute
Response Time	≤60 second
Recovery Time	≤60 second
Temp. & Humi.	
Sensor Type	Digital capacitance sensing element
Temp. Range	0~50°C (32~122°F)
Accuracy	±1°C @25°C
Humi. Range	10~95%RH
Accuracy	±5%RH @25°C
System	
Power Supply	Input:100~240Vac,0.5A / Output: 5Vdc,2A
Operating Temp.	0~50°C (32~122°F)
Operating Humi.	0~95%RH (Non-condensing) CH2O : 15~95%RH (Non-condensing)
Dimensions	150X83x40mm
Communication	
WiFi Wireless	IEEE802.11b/g/n
Data Rate	150Mbps
Power	802.11b: 16±2dBm; 802.11g: 14±2dBm; 802.11n:13±2dBm
Distance	150m(Open space)
Connection	Compatible WiFi connectivity and support WPS
Protocol	Modbus TCP / MQTT* / Microsoft Azure* / IBM Bluemix*

*Note: MQTT / Microsoft Azure / IBM Bluemix are customized only

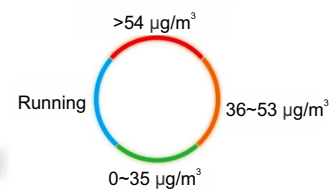
Dimensions



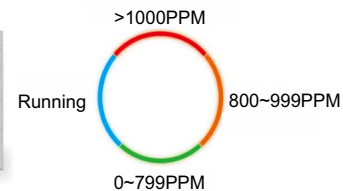
Unit:mm

LED Indicator

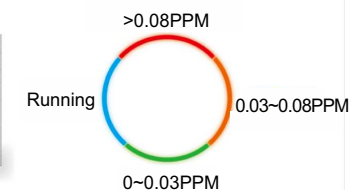
PM2.5



CO2



CH2O



Notice

- 1.If using in a small space, that should has well ventilated
- 2.Keep away from heat and avoid sunlight or heat radiation
- 3.Don't use the sensor for long time in high dusty environments