

GAXCE SENSORS (OPC) PRIVATE LIMITED

CORPORATE IDENTIFICATION NUMBER : U34100PN2018OPC177305

AQM-09 Air Quality Monitoring Station



Description:

The AQM-09 Air Quality Monitoring Station can measure outdoor air pollutants in real-time, measuring data quickly and accurately. It can be customized for different applications demands, the measurement parameter can be choose from the following: the gas type Ozone(O₃), Nitrogen Dioxide(NO₂), Sulfur Dioxide(SO₂), Carbon Monoxide(CO), Particulate matter PM_{2.5} and PM₁₀, also the Noise, Meteorological parameters (including of Temperature, Humidity, Wind speed, Wind direction, Barometric pressure), etc.

REGD. OFFICE : S. NO. 2, H NO. 1282, SHRIRAM NAGAR, DHANKAWADI, PUNE - 411043, MAHARASHTRA, INDIA

Phone : 9371730123 **Email :** pardeshi.rohan@hotmail.com

GAXCE SENSORS (OPC) PRIVATE LIMITED

CORPORATE IDENTIFICATION NUMBER : U34100PN2018OPC177305

Features:

Installed with Alphasense brand sensor, with quick response, good linearity, stable performance and high resolution, the minimum unit up to ppb;
Designed with the all-in-one type and easy installation; The modular design makes maintenance very convenient;
With the function of remote parameter correction, can save costs;
With the built-in pump, respond quickly more than the normal diffusion sampling type;
With the Double-layer protection box, preventing it from external environment influence;
It's with the Wireless network adapter, transmitting the data by 4G/WIFI/GPRS, also with optional RS232 connection to display the data on the LED display screen; With the Remote data acquisition system.

Applications:

Pollution control in traffic environment;
Road and tunnel pollution monitoring;
Urban air quality monitoring;
Emission monitoring of particulate and pollution sources; Long-term air quality trends analysis;
Short-term atmospheric environmental impact assessment;
Environmental monitoring in residential areas, schools, Hospitals; Park / forest environmental monitoring;
Industrial area air quality monitoring: Chemical plant, Power plant, Landfill, Incineration station, Port, Sewage treatment plant, Storage facilities, Underground facilities, etc.

System specification:

Data efficient transmission rate	≥95%
Remote control	Support for remote setting
Interface	RS485/RS232 port, Network port
Transmission network	Automatically and real-time upload data, optional 3G/4G/WIFI
Box material	Q235 spray, Stainless box optional
Scaffold material	Q235
Scaffold height	Standard height is 4.5m, Flange connection (1m fixed underground, 2*1.5m+1*0.5m)
Lightning arrester	Length 1m, Q235 Galvanized material
Working environment	Temperature: -30~50°C Humidity: 10%RH~90%RH Pressure: 65~108Kpa
Protection grade	IP55
Power supply	DC24V, AC220V

REGD. OFFICE : S. NO. 2, H NO. 1282, SHRIRAM NAGAR, DHANKAWADI, PUNE - 411043, MAHARASHTRA, INDIA

Phone : 9371730123 Email : pardeshi.rohan@hotmail.com

GAXCE SENSORS (OPC) PRIVATE LIMITED

CORPORATE IDENTIFICATION NUMBER : U34100PN2018OPC177305

Technical Parameter:

Items	Description	Specification
Particle Modules	Monitor method	Continuously, automatically, and real-time
	Working principle	Light scattering technique
	Measurement data	PM2.5, PM10
	Measuring range	0~2000ug/m ³
	Response time	≤60s
	Measuring time	0.1min (Shortest measurement time) 1min (Standard measurement time)
	Minimum detection limit	≤0.001 mg/m ³
	Instrument parallelism	≤±10%
	Data validity	>75%
	Dehumidification	With the automatic dehumidification function module
Alarm function	With high concentration alarm function, the platform can configure the alarm threshold	
Gas modules	Monitor method	Continuously, automatically and real-time

	Working principle	High precision Electrochemical sensor
	Gas monitor	SO ₂ , NO ₂ , CO, O ₃
	Sulfur Dioxide SO ₂	Measuring range: 0~2000ppb Resolution: 1ppb Response time: <45s
	Nitrogen Dioxide NO ₂	Measuring range: 0~2000ppb Resolution: 1ppb Response time: <45s
	Ozone O ₃	Measuring range: 0~2000ppb Resolution: 5ppb Response time: <45s
	Carbon Monoxide CO	Measuring range: 0~200ppm Resolution: 0.1ppm Response time: <45s
Noise monitor	Measuring range: 30~130dB (A)	
	Sampling frequency: < 1s	
	Dynamic analysis range: ≥100dB (A)	
	Frequency weighting: A, C, Z Time weighting: F, S	
Meteorological parameters	Temperature: Measuring range: -30℃~60℃, Precision: ±0.3℃ (20℃)	
	Humidity: Measuring range: 0~100%RH, Precision: ±2%(5%RH~95%RH, 25℃)	
	Wind direction: Measuring range: 0~360°, Precision: ±5°	
	Wind speed: Measuring range: 0~60m/s, Precision: ±0.3m/s	
	Barometric pressure: Measuring range: 30~110Kpa, Precision: ±2.5pa	

REGD. OFFICE : S. NO. 2, H NO. 1282, SHRIRAM NAGAR, DHANKAWADI, PUNE - 411043, MAHARASHTRA, INDIA

Phone : 9371730123 Email : pardeshi.rohan@hotmail.com