



ALPHA ENGINEERING & SYSTEMS

Flue Gas Analyzer



Introduction :

The AQM can measure Indoor and Outdoor air pollutants in real-time, measuring data quickly and accurately. It can be customized for different applications demands. the measurement parameter the gas type Ozone(O₃), Nitrogen Dioxide(NO₂), Sulfur Dioxide(SO₂), Carbon Monoxide(CO), Radon Particulate matter Pm₁, PM_{2.5} and PM₁₀, also the Noise, Meteorological parameters (including of temperature, Humidity, Wind speed, Wind direction, Barometric pressure. The versatility of this automated Air Quality Monitor is evidenced in your ability to add, remove, or substitute sensors or other peripherals as your data measurement and monitoring needs change.



Wide choice of
sensors



Secure &
Encrypted



Large storage
capacity



Fully automated
system



GPRS modem
communications

Features :

- RJ45 Port
- Data Output Lan Cable
- 7 inch touch display
- The modular design makes the later maintenance very convenient;
- With the function of remote parameter correction, can save the costs;
- With the built-in pump, respond quickly more than the normal diffusion sampling type;

Applications :

- Pollution monitoring in plants and industries environment;
- Road and tunnel pollution monitoring;
- Multi-parameter monitoring in mobile mode;
- Truly portable unit for pollution control officer carrying and site inspection ;

Technical Specifications :

Item	Description	Specification
Particle Modules	Measurement data	PM2.5, PM10
	Measuring range	0~10mg/m ³
	Response time	≤60s
	Measuring time	0.1min (Shortest measurement time) 1min(Standard measurement time)
	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
Gas Modules	Nitrogen Dioxide NO ₂	Measuring range: 0~2000ppb Resolution: 1ppb Response time:<45s
	Carbon Monoxide CO	Measuring range: 0~200ppm Resolution: 0.1ppm Response time: <45s
	Radon	Measurement range : 0 - 400 Bq/m ³ Time resolution : 1 h Power supply : external 12V D
	Temperature: Measuring range: -40c~60c, Precision: ±0.3 (20c)	
Humidity: Measuring range: 0~100%RH, Precision: ±2%(5%RH~95%RH, 25c)		