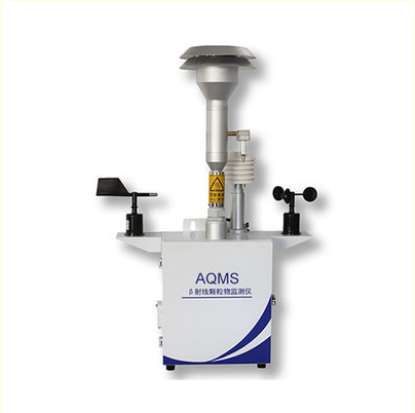
High Precision Air Quality Monitoring Device PM2.5 PM10 With Customizable

Our Product Introduction

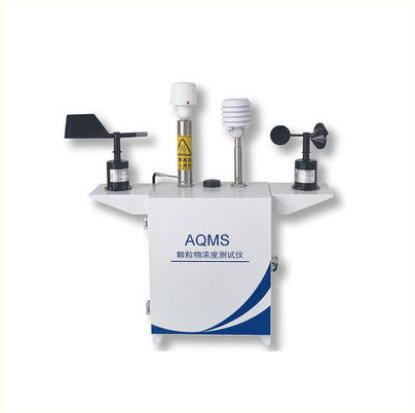
Basic Information

- Place of Origin: China
- Minimum Order Quantity: 1PC
- Price: $7,000.00/sets >=1 sets
- Stock: 1PC



Product Specification

- Warranty: 1 Year
- Type: Gas Analyzer
- Customized Support: OEM
- Fault Alarm: Real-time Display Of Fault Alarm
- Indication Error: ±15%
- Sampling Flow: 2.83 L/min,precision ±2.5%, With The Cyclone Cutter
- Grain Size: PM2.5, PM10 Or TSP
- LOD: 2μg/m³
- Resolution: 0.1μg/m³
- Temperature Control: (10~60) ,temperature
- Data Storage: Up To One Year
- USB Interface: Support USB Data Export
- Remote Data Query: DTU Module
- Highlight: **PM10 Air Quality Monitoring Device**,



More Images

Our Product Introduction

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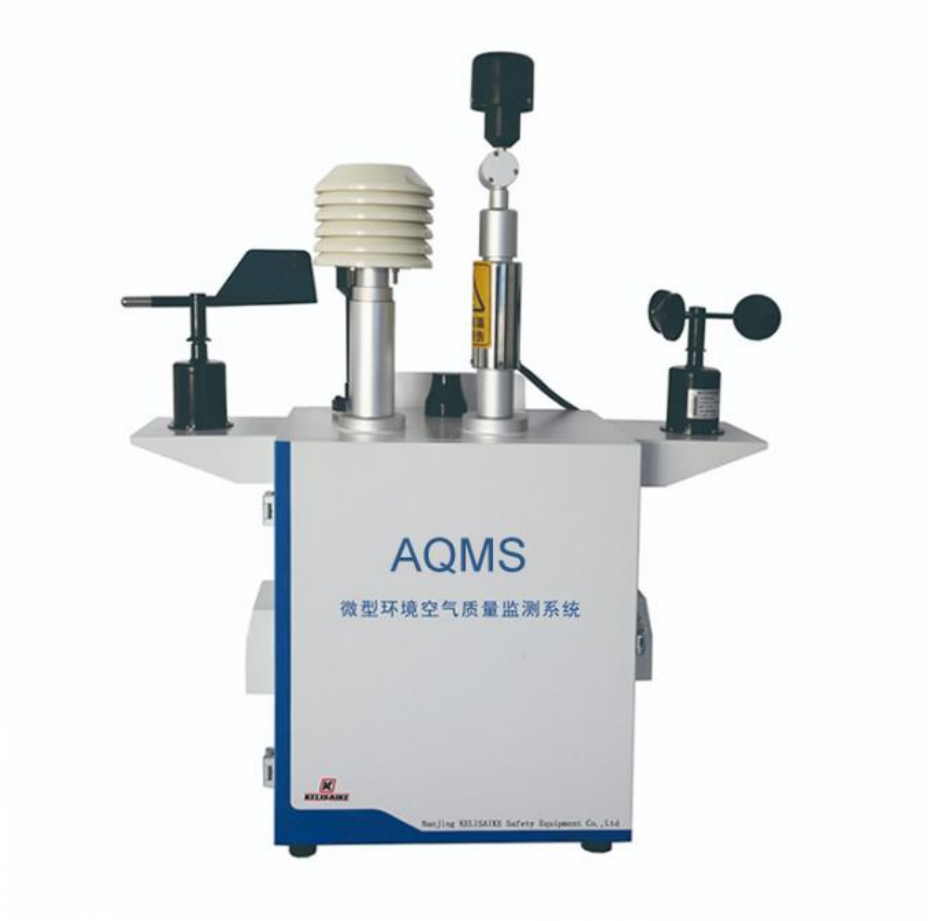
Product Description

AQMS Air Quality Monitoring System PM2.5 PM10



Introduction:

H6 Micro Ambient Air Quality Monitoring System is an economical product for providing real-time and accurate detection of outdoor air pollutants, with the performance close to the level of automatic monitoring system. Compared with lower price alternatives on the market, H6 provides accurate detection data comparable to standard stations. After calibration on site according to certified reference standards, it can reach the optimal traceability. Therefore, as an air quality monitoring system, it has high cost efficiency.

Main Features:

•No need to change the sample cutter, able to measure the mass concentration of PM10 and PM2.5;
•On-site calibration according to traceable reference standards;
•Optional zero gas calibration modules;
•Imported high precision four- electrode sensors;
•Modular design for configuration of any combination, easy to set different monitoring parameters on demand, suitable for large-scale grid distribution points
•Embedded processor of industrial grade for the circuit, suitable for harsh outdoor environments, with working environment temperature range of -50 to 100 ;
•Dynamic heating control for air particulate sampling to remove the influence of water and fog on the measured data;
•An electronic flowmeter used to the measure the sampling flow speed of particulates and gaseous pollutants.
•Stable and reliable data transmission with the industrial grade data transmission module;
•Dual-channel communication mode to realize communication in extreme cases and ensure data continuity;
•Modular design, and high reliability CAN bus communication between modules; automotive electronic communication protocol to ensure the stability of the system;
• Remote data transmission and system state information readable remotely, as well as remote control, remote modification of instrument parameters, and fault diagnosis;
•Remote upgrade of terminal applications via the FTP server to realize tele-maintenance and ensure that users can use the latest applications and update system functions timely;
•Optional five meteorological parameters tester;
•Optional IP cameras with various parameters to ensure night and visual range shooting requirements, with automatic snapshot and real-time monitoring functions.
•On-site real-time data display: end instruments renew data every 5 seconds.
• The optional data service platform can display average minute, hourly and daily values. Report analysis function can generate daily, monthly and yearly reports, as well as trend reports. Same screen multi-points display, supporting mobile terminal data query and data push to the display terminal;
•Various installation methods, to be selected according to the site situation: spport, pole, etc. Each type of mounting is tight and secure and can resist the instantaneous 12 level wind force.

Technical Parameters:

Gases:

Gases	Measurement range(ppb)	Resolution (ppb)	LOD(ppb)	24 h drift zero / ppb
O3	0-1000	1	≤10	5%F.S
NO2	0-1000	1	≤10	5%F.S
CO	0-20000	1	≤150	5%F.S
SO2	0-1000	1	≤10	5%F.S
H2S(optional)	0-20000	1	≤150	5%F.S
VOC(optional)	0-40000	1	≤150	5%F.S

Particulates:

Measurement range	PM2.5:(0~10000) μg/m³ , PM10:(0~10000) μg/m³
Indication error	±15%
Sampling flow	2.83 L/min,precision ±2.5%, with the cyclone cutter
Grain size	PM2.5, PM10 or TSP
LOD	2μg/m³
Resolution	0.1μg/m³
Temperature control	(10~60) ,temperature control accuracy ±1
Data storage	Up to one year
USB interface	Support USB data export
Remote data query	DTU module for remote query of instrument working status and real-time measurement data
Fault Alarm	Real-time display of fault alarm
Air intake heating	Dynamic heating of intake tube and Automatic temperature and humidity compensation

Optional
Meteorological parameters:

Temperature	Measuring range:-50 ~100	RH	Measuring range: 0~100%RH
	Resolution: 0.1		Resolution: 0.1%RH
	Accuracy:±0.5		Accuracy:±3%RH
Wind speed	Measuring range: 0~70m/s	Resolution: 0.1m/s	
	Start wind speed≥0.5m/s	Accuracy:±0.3m/s	
Wind direction	Measuring range: 0~360°	Resolution:±0.1°	
	Start wind speed≥0.5m/s	Accuracy:±3°	
Atmospheric pressure	Measuring range: 10~1100hpa		
	Resolution: 0.1hpa		
	Accuracy: ±0.5hpa		

Noise Parameters

Noise	IEC61672:2002 level 2 GB/T3785-2012 level 2 Level 1 noise level meter available	Frequency range	16~20KHz
Measurement range	30~140 dB	Frequency weighting	A, C, Z
Principle of noise sensor: High precision capacitive free-field microphone			

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