ES80A-A6

AIR QUALITY ONLINE MONITORING SYSTEM

FOR ENVIRONMENT
POLLUTION PROTECTION



Air Quality Online Monitoring System Is An Instrument Based On The Principle Of Light Scattering, Providing NO2, CO, O3, SO2,PM2.5,PM10,TSP,Wind Speed & Direction, Temperature& Humidity, Noise Detection And Other Defensive And Accurate Quality Measurements.

Features-Purpose Designed For Outdoors

Purpose Designed For Outdoors;
Real-Time NO2, CO, O3, SO2,PM2.5,PM10,TSP,Meteorological Parameter ;
Access Air Quality Data 24H / 365 Days; Remote WLAN And 4G Connectivity;
Optional:Wind Speed/Direction And Noise Sensors;Battery/Solar Power Optional;

Application Scenario

- Street Intersections, Highways Etc ;
- Forest Fire Alarm, Agricultural Straw Burning ;
- Petrochemicals, Mining, Steel Mills, Oil Refineries ;
- Garbage Disposal, Tourist Attractions ;
- Residential Complexes, Schools,Hospitals ;

Specification Parameter Information

Product Name/Model	Air Quality Online Monitoring System/ES80A-A6 Diffusion /
Detection Method	Suction
Data Transmission	RS485 Modbus, 4G LTE
Preheat Time	90 Seconds
Temperature	-20℃~50℃
Humidity	10%RH ~95%RH (No Condensation)
Power Supply	AC110Vor AC220V/50Hz, Optional Solar Power Supply
Power Consumption	80W（MAX）
Host Size	620*440*160MM
The Main Material	Cold Rolled Steel Plate
Installation Method	Outdoor Column Installation
Protection Class	IP65

Gas Selection The Standard Configuration

Gas Factor	Measuring Range	Resolution	Indication Error	T90
O3	1000ppb	1ppb	≤±5%FS	120S
NO2	1000ppb	1ppb	≤±5%FS	120S
SO2	1000ppb	1ppb	≤±5%FS	120S
CO	200ppm	0.1ppm	≤±5%FS	120S

Gas Selection Optional Gases

Gas Factor	Measuring Range	Resolution	Indication Error	T90
TVOC	10ppm	0.1ppm	≤±10%FS	120S
H2S	20ppm	0.1ppm	≤±10%FS	120S
NH3	20ppm	0.1ppm	≤±10%FS	120S

*Note: The Indication Error Is Measured In The Laboratory Environment.
Need Other Gases, Please Contact Us.

Particulate Technical Parameters

Project	Technical Indicators
Measuring Range	PM2.5（0-2000）μg/m3 ， PM10 (0-2000) μg/m3
Sampling Cutter	Cyclone Physical Cutter
Sampling Time	Adjustable, Default Five Minutes
Resolution	1ug/m3
Particle Size	PM2.5, PM10, TSP
Sampling Mode	Suction Type
Air Intake Heating	Heating And Dehumidifying According To Air Humidity
Malfunction Alarm	Real-Time Display
Zero Method	Automatic zero calibration

Specification Parameter Information

Meteorological And Other Parameters(Optional)

Monitoring Parameters	Range	Resolution	Accuracy
Temperature	-30℃--50℃	0.1℃	±1℃
Humidity	0-95%Rh	1%Rh	±5%Rh
Wind Speed	0~60m/s	0.1 m/s	±1m/s
Wind Direction	0-360°	1°	/
Wind	Level 0-15	Level 1	/
Atmospheric Pressure	600—1100hPa	1 hPa	/
Noise	30dB(A)~130dB(A) (A-weighted)	/	±3dB
Rainfall	0~4mm/min	0.1mm	±0.4mm (≤10mm) ±4% (>10mm)
Illumination	0~200,000 Lux	/	±7% (25℃)
UV Radiation	0~400mW/㎡	1mW/㎡	±5%

Case Show






