

## Features-Purpose Designed For Outdoors

Designed For Outdoor Use; Access The Air Quality Data For 24 Hours/365 Days; Adopting β-Ray Absorption Method, High Accuracy Of Particulate Matter Measurement, Accurate And Reliable Data; Color Industrial Touch Screen, Easy And Fast Operation; Support 4G Network Wireless Transmission Module; Able To Achieve More Than One Year Of Data Storage, Storage Space Can Be Expanded; Automatic Memory Of Sampling Data, Automatic Data Saving After Power Failure, And Self-Starting Sampling After An Incoming Call;

# **Application Scenario**



Street Intersections, Highways Etc;



Petrochemicals, Mining, Steel Mills, Oil Refineries;



Residential Complexes, Schools, Hospitals;



Forest Fire Alarm, Agricultural Straw Burning;



Garbage Disposal, Tourist Attractions;



Urban Ambient Air Quality Monitoring;



# **Specification Parameter Information**

#### Technical Index Main Parameters

Measurement Range	(0-1000)μg/m3 (0-10000) μg/m3		
Resolution	0.1ug/m3		
Minimum Detection Limit	≤2ug/m3		
Radioactive Source	Carbon-14 (C-14) (<100 microcurie) sealed source devices		
Sampling Flow Rate	16.67 L/min		
Sampling Flow Accuracy	±2% (based on a constant flow rate of 16.7L/min)		
Calibration Film Reproducibility	≤2% nominal value		
Working Humidity	-20 °C ~ 50 °C		
Display Screen	7" color industrial touch screen		
Data Transmission Method	RS485,LAN,4GLTE		
Data Export	U-Disk export, SD Card storage		
Data Protocol	MODBUS Agreement, HJ212-2017 Agreement		
Data Storage	Historical concentration data, system operation log, System fault alarm data for 1 year		
Host Power Consumption	Less than 0.26KW (MAX)		
Working Power	AC110-230V/50-60Hz		

### Meteorological Technical Parameters

Temperature	Measuring Range: -20~50°C  Resolution: 0.1°C  Accuracy: ±0.5°C	Humidity	Measuring Range: 0~100%RH Resolution: 0.1%RH Accuracy: ±3%RH	
Wind Speed	Measuring Range: 0~60m/s Start Wind Speed: ≥ 0.5m/s		Resolution: 1m/s Accuracy: ±0.3m/s	
Wind Direction	Measurement Range: 0~360° Start Wind Speed: ≥ 0.5m/s		Resolution: ±0.1° Accuracy: ±3°	
Atmospheric Pressure	Measurement Range: 300~1100hpa  Resolution: 1hpa		Accuracy: ±0.5hpa	

### Meteorological Technical Parameters

Noise Technical Parameters	IEC61672:2002 Class 2 GB/T3785-2012 Level 2 Upgradable Class 1 sound Level	Humidity	Measuring Range: 0~100%RH Resolution: 0.1%RH Accuracy: ±3%RH
Measurement Range	30~130dB	Frequency Counting Rights	A、C、Z



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