



POLLUTANT DISCHARGE MONITOR

Pollutant Discharge Monitor, drawing from years of experience in atmospheric environment monitoring and utilizing sensor technology from both domestic and international sources. It uses high-precision sensors such as electrochemical and optical sensors to primarily monitor sulfur content in the air, as well as temperature, humidity, wind speed, wind direction, and other factors.

Pollutant Discharge Monitor utilizing wireless communication technology, the instrument gathers environmental big data into a "cloud platform," integrating the application of informationized big data to track pollution sources, issue early warnings and forecasts, and provide timely and effective decision support for monitoring and supervising ship air pollution emissions.

APPLICATIONS

Pollutant Discharge Monitor - Ship exhaust emission monitoring

Ship exhaust emission monitoring

Pollutant Discharge Monitor - Emergency smoke pollution accident

Emergency smoke pollution accident

Pollutant Discharge Monitor - Spot check of flue gas emission

Spot check of enterprise flue gas emission

Pollutant Discharge Monitor - Industrial process control

Petroleum, chemical, power plant and other industrial process control

Pollutant Discharge Monitor - Environmental monitoring

Environmental monitoring of air and pollution source emissions

Pollutant Discharge Monitor - Gas content determination

Determination of gas content for various laboratory combustion tests

FEATURES

High-performance accessories

Pollutant Discharge Monitor featuring a large-screen touch color image display, this durable interface offers easy operation and vivid image display. Additionally, adaptive signal filtering optimizes response time for enhanced performance.

Intelligent

The Pollutant Discharge Monitor offers high operational reliability and stability, complemented by intelligent fault diagnosis and self-correction functions. It displays recent calibration, alarm, error, and power failure information for easy monitoring

and troubleshooting.

Data transmission

Pollutant Discharge Monitor equipped with RS232/485, USB, GPRS, ADSL, Ethernet, and various other data transmission modes, the system enables remote transmission, monitoring, and inspection of operational parameters, status updates, and data.

Data storage

The Pollutant Discharge Monitor features built-in storage for multiple averages ranging from 1 minute to 365 days. Additionally, it includes temperature compensation and pressure compensation functions for enhanced accuracy and reliability.

TECHNICAL SPECIFICATIONS

Measurement range	Minimum□ 0-0.025 parts per million Maximum□ 0-10ppm(user optional, support double range)
Unit of measure	ppm
Zero noise	25ppt(RMS□
Span noise	0.5% (RMS) of readings above 5ppb
Minimum detection limit	□ 50ppt
Zero drift	< 0.2 PPB / 24 hours
Span drift	< 0.5% of full scale /24 hours
Delay time	< 20 s

Rise/fall time	95% in 100s
Linear	1% of full scale
Precision	0.5% of the reading
Sampling flow rate	650cc/min±10%
The power supply requirements	100-120V,220-240V,50/60Hz
Mode output range	10V,5V,1V,0.1V(optional)
Operating temperature range	5-40℃
Humidity range	0-90% RH, no condensation
Size	435×510×660mm□ L×W×H□
Weight	85KG



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