



## WTQY800B Continuous Emission Monitoring System Integrated CEMS For SO<sub>2</sub> , NOx , O<sub>2</sub> , Dust In Industrial Flue Gas

### Our Product Introduction

#### Basic Information

- Minimum Order Quantity: MOQ 1pc
- Price: USD26000
- Stock: In stock 100pcs
- Shipping Method: Express
- Description: Flue gas continuous monitoring system(CEMS) (Hereafter called system) can automatically monitor SO<sub>2</sub>, NO, CO, O<sub>2</sub>, dust, f
- Payment Terms: T/T



#### Product Specification

- Product Name: WTQY800B-CEMS / Flue Gas Monitoring System
- Monitored Components: SO<sub>2</sub>, NOx, O<sub>2</sub>, Particulate Matter, Temperature, Pressure, Flow
- Measurement Method: UV DOAS + Electrochemical + Laser Scattering + Ultrasonic
- System Type: Extractive CEMS With Heated Sampling
- Application Fields: Power Plants, Steel, Cement, Waste Incineration, Boilers
- Installation Mode: Cabinet-type, Rack-mounted, Customizable
- Highlight: **Integrated CEMS Continuous Emission Monitoring System**, **Dust Continuous Emission Monitoring System**, **SO<sub>2</sub> Continuous Emission Monitoring System**



#### More Images



## Our Product Introduction

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### Product Description

WTQY800B Continuous Emission Monitoring System



Flue gas continuous monitoring system(CEMS) (Hereafter called system) can automatically monitor SO<sub>2</sub>, NO, CO, O<sub>2</sub>, dust, flue gas flow and pressure, temperature and so on. The system can be flexible and optimized configuration based on the

specific conditions of the site parameters and technical requirements, can be measurement for gaseous substances, dust and other in the continuous flue gas emission, to achieve the quantitative control of flue gas emissions.

- a) In accordance with the complete system requirements, adopt analysis cabinet structure, complete the "Engineer, Procure and Construct design", simplified installation and commissioning.
- b) Adopt imported high-performance membrane pump configuration, the pump with strong anti-corrosion ability, high reliability, long service life, small maintenance workload, reliable operation.
- c) The device pretreatment system uses a special structural design, using two dehumidification, three dust elimination, combined with the purification method of coarse filtration and fine filtration, dehumidification and acid fog elimination, in long-term operation shows the effective solution to the high dust, high humidity and sulfur conditions, big maintenance workload, low online continuous operation rate. Stable and reliable performance, small maintenance workload.
- d) The device uses dry process, extract the sampling style, pulse cleaning, sampling tube electric heating, program control and other technology, with automatic sampling, continuous operation, control interlock and other functions.

Apply to on-line continuous automatic analysis to monitor the SO<sub>2</sub>, NO, CO, O<sub>2</sub>, dust, flow, temperature, pressure, etc. in the flue gas pipeline of various industrial boilers, kiln and heating furnace, adjust the best air to fuel ratio according to the analysis results, improve combustion efficiency, to achieve energy conservation and reduce environmental pollution. Therefore, the system is widely used in thermal power plants, metallurgy, petrochemical, building materials and other industries.

#### Flue Environmental Parameters:

Items	Specifications
Flow velocity measurement range	0 - 40 m/s (>5 m/s)
Precision	≤ 10 m/s, absolute error ≤ ±12% > 10 m/s, relative error ≤ ±10%
Response time	≤ 20 s
Analog output	4 - 20 mA
Static pressure measurement range	-2500 - 2500 pa detection optional
Accuracy	≤ ±1%
Response time	≤ 10 s
Analog output	4 - 20 mA
Temperature measurement range	0 - 300
Accuracy	±3
Response time	≤ 10 s
Analog output	4 - 20 mA
Power supply	220 V AC
Items	Specifications
SO <sub>2</sub> detection range	0-200~1000 ppm
NO detection range	0-500~1000 ppm
O <sub>2</sub> detection range	0-25%
HF detection range	0-100 ppm
HCl detection range	0-100 ppm
Detection accuracy	SO <sub>2</sub> /NO <sub>X</sub> : 1%, O <sub>2</sub> : 0.05%
Linear error	±1% F.S./7 d
Repeatability error	±1% F.S./7 d
Zero drift	±2% F.S./7 d
Detection range drift	±2% F.S./7 d
T90 response time	30 s
Air flow	1.5±0.5 L/min
Temperature	5-45
Humidity	<90% RH
Analog output signal	DC4~20 mA, 4 channels, Optional+extra configuration
Analog input signal	DC4~20 mA, 4 channels
Digital input	Specific function, 4 channel (extra configuration)
On-off output	3 channel, optional +2 channels auto calibration + extra configuration
Power supply	170 - 264 V/100 VA
Size	23.9 inches*3 units





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