



WTQY800B Continuous Emission Monitoring System For Real-time Flue Gas And Dust Measurement In Industry

Our Product Introduction

Basic Information

- Minimum Order Quantity: MOQ 1pc
- Price: USD26000
- Stock: In stock 100pcs
- Shipping Method: Express
- Description: the system is designed for real-time, automatic monitoring of industrial flue gas components. It can continuously measure SO₂, NO, CO, O₂, Dust, etc.
- Payment Terms: T/T



Product Specification

- Product Name: Continuous Emissions Monitoring System
- Monitored Components: SO₂, NO, CO, O₂, Dust
- Measurement Method: UV DOAS + Electrochemical + Laser Scattering + Ultrasonic
- Sampling Method: Extractive Cold-Dry Method
- Operating Temperature: -20 To 50
- Data Output: 4-20 MA, RS485
- Highlight: Industry Continuous Emission Monitoring System, Continuous Emission Monitoring System, Cold Dry Continuous Emission Monitoring System



More Images



Our Product Introduction

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Product Description

WTQY800B Continuous Emission Monitoring System



The KELISAIKE SAFETY CEMS is designed for real-time, automated monitoring of flue gas composition and related parameters. It is capable of measuring **SO₂, NO, CO, O₂, dust concentration, as well as flue gas flow, pressure, and temperature**. The system can be configured and optimized according to the specific site conditions and technical requirements, enabling precise measurement of gaseous pollutants and particulates for effective quantitative control of

emissions.

Key Features:

- a) **Integrated System Design** – Utilizes an analysis cabinet structure, meeting full system requirements under an *Engineer-Procure-Construct (EPC)* approach, simplifying both installation and commissioning.
- b) **Durable Sampling Pump** – Equipped with an imported high-performance diaphragm pump, offering excellent corrosion resistance, high operational reliability, extended service life, and minimal maintenance needs.
- c) **Advanced Gas Conditioning** – Features a specially engineered pretreatment unit with dual dehumidification, triple dust removal, and a multi-stage purification process combining coarse and fine filtration, moisture removal, and acid mist elimination. This design effectively handles high dust, high humidity, and high sulfur flue gas environments, ensuring stable long-term operation with low maintenance demands.
- d) **Proven Cold-Dry Extractive Technology** – Incorporates pulse-jet cleaning, electrically heated sampling lines, and program-controlled operation, providing automatic sampling, continuous measurement, and control interlock functions for reliable unattended operation.

Applications:

The system is suitable for continuous online monitoring in flue gas ducts of industrial boilers, kilns, and heating furnaces. It helps optimize the air-fuel ratio based on analysis results, improving combustion efficiency, reducing energy consumption, and minimizing environmental pollution. Typical application sectors include **thermal power generation, metallurgy, petrochemicals, building materials**, and other industries with strict emission control requirements.

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
SO2 detection range	0-200~1000 ppm
NO detection range	0-500~1000 ppm
O2 detection range	0-25%
HF detection range	0-100 ppm
HCL detection range	0-100 ppm
Detection accuracy	SO ₂ /NO _X : 1%, O ₂ : 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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