

Waste Incineration Cems Flue Gas HCl Co Continuous Emission Monitoring System

Our Product Introduction

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Basic Information

- Minimum Order Quantity: 1set
- Price: USD26000
- Stock: 1set
- Shipping Method: LCL
- Description: Continuous Emission Monitoring System for HCl and CO in Waste Incineration Flue Gas (CEMS)
- Payment Terms: T/T



Product Specification

- Product Name: Online Gas Analyzer
- Measurement Principle: High-temperature Extractive Laser NH_3 Analysis
- Sample Gas Temperature: Heated And Insulated Above 180
- Sampling Point Pressure: -15 To 15 MPa
- Power Supply: 220V $\pm 10\%$, 50Hz $\pm 1\text{Hz}$, 5 KVA
- Maximum Dust Content: < 2000 G/Nm³
- Highlight: HCl Continuous Emission Monitoring System, CEMS Continuous Emission Monitoring System, CO Continuous Emission Monitoring System



More Images



Product Description

Waste Incineration Cems Flue Gas HCl Co Continuous Emission Monitoring System



1. Basic Design Principle of WT-400 Analysis System

The **WT-400 Ammonia Analysis System** is a high-temperature extractive monitoring system, with a **laser NH₃ analyzer** as the core analysis unit. All parts in contact with the sample gas are **heated and insulated above 180** throughout the process, ensuring accurate and stable NH₃ measurement.

2. Operating Conditions and Requirements

2.1 General Conditions

Maximum dust content: < 2000 g/Nm³
 Flue gas temperature at sampling point: ≤ 600
 Sampling point pressure: -15 to 15 MPa
 Tar and benzene content: < 10 g/Nm³
 Saturated water vapor present

2.2 Environmental Conditions

The **temperature control box** is installed outdoors, while the instrument is indoors.

Ambient temperature: 5–45
 Relative humidity (RH): 20–85%
 Atmospheric pressure: 10–106 kPa (depending on local conditions)

2.3 Utilities and Gas Supply Requirements

Power Supply: 220V ±10%, 50Hz ±1Hz, Power: 5 kVA (free from strong electrical interference)

System Gas Supply:

Compressed air – required to purge the sampling system and prevent blockage. Must be **clean, dry, oil-free**, with a **pressure of 4–7 kg/cm²** to ensure effective purging.

Standard gas – used for preprocessing, calibration, and verification of the gas analysis system. Ensure the standard gas quality meets the system requirements to guarantee measurement accuracy.

No.	Standard Gas Compositions	Standard Gas Concentration	Standard Gas Pressure
1	N ₂	≥ 99.9999%	0.5 -10 MPa
2	NH ₃	80% of the measurement range	0.5 -10 MPa

3. Features of WTKF200 Ammonia Escape Online Monitoring System:

1. Streamlined integrated sampling probe, with a large dust holding capacity and a dust filtration capacity ≤ 100 g/Nm³, no clogging.
2. Dust filtration accuracy: 0.1 μm
3. Analysis accuracy: ±1%FS
4. Response time: T₉₀ ≤ 30 s
5. Mean time between failures: MTBF 3 years
6. Maintenance interval: 1 year
7. The high-temperature extraction sampling method is adopted to ensure no distortion in sampling and accurate analysis.
8. High-temperature and constant temperature sampling design to ensure the accuracy of NH₃ concentration.

- 9. The system has and automatic purging device to dust and prevent blocking.
- 10. Output signal: 4-20 mA; control alarm signal NO/NC, 1A/220V.



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