



Continuous Emission Monitoring System for Flue Gas HCl Co Waste Incineration CEMS Gas Analyzers

Our Product Introduction

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
- Range: 0-100 Ppm/Mg/M3
- Response Time: Less Than 120s
- Material: Alloy, Metal, Stainless Steel
- Power Supply: 220V ±10%, 50Hz ±1Hz, 5 KVA
- Light Path: 760mm
- Highlight: **HCl Continuous Emission Monitoring System, HCl CEMS Gas Analyzers, Waste Incineration CEMS**



More Images



Product Description

WT Online Gas Monitoring System



1. Basic Design Principle of the WT-400 Analysis System

The WT-400 Ammonia Analysis System adopts a high-temperature extractive monitoring method, with a laser-based NH₃ analyzer as the core unit. All gas-contacting components are heated and insulated to above 180° throughout the sampling path, ensuring stable and accurate NH₃ measurements even under challenging process conditions.

2. Operating Conditions and Requirements

2.1 General Process Conditions

Maximum dust concentration: < 2000 g/Nm³

Flue gas temperature at the sampling point: ≤ 600

Sampling point pressure: -15 to 15 MPa

Tar and benzene content: < 10 g/Nm³

Presence of saturated water vapor

2.2 Environmental Conditions

Temperature control cabinet installed outdoors; analyzer unit installed indoors

Ambient temperature: 5–45

Relative humidity: 20–85% RH

Atmospheric pressure: 10–106 kPa (depending on site location)

2.3 Utilities and Gas Supply

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

Compressed Air: For purging the sampling system to prevent clogging; must be clean, dry, oil-free, with a pressure of 4–7 kg/cm² to ensure effective cleaning

Standard Gas: For system preprocessing, calibration, and performance verification; must meet the specified purity requirements to maintain measurement accuracy

No.	Standard Gas Compositions	Standard Gas Concentration	Standard Gas Pressure
1	N2	≥ 99.9999%	0.5 -10 MPa
2	NH3	80% of the measurement range	0.5 -10 MPa

3. Features of the WTKF200 Ammonia Escape Online Monitoring System

Integrated Sampling Probe – Compact, streamlined design with large dust holding capacity; supports dust filtration up to ≤ 100 g/Nm³ without clogging.

High Filtration Precision – Dust filtration accuracy 0.1 μm.

High Measurement Accuracy – Analysis accuracy of ±1% FS.

Fast Response – Response time (T90) ≤ 30 s.

High Reliability – Mean Time Between Failures (MTBF) > 3 years.

Low Maintenance – Maintenance interval exceeds 1 year.

Distortion-Free Sampling – High-temperature extractive sampling method ensures accurate, representative measurements.

Temperature-Controlled Sampling – High-temperature, constant-temperature design maintains NH₃ measurement accuracy.

Automatic Purging – Built-in automatic cleaning system removes dust and prevents blockages.

Signal Output – 4–20 mA output; control alarm signal NO/NC, 1A/220V.
We offer fully customized gas online monitoring solutions tailored to the customer's unique requirements and operating environments, ensuring optimal performance and measurement accuracy.



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