

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

Our Product Introduction

for more products please visit us on multi-gasdetection.com

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 $\pm 10\%$, 50Hz $\pm 1\text{Hz}$, 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 NH_3 analyzer as the core unit. All gas-contacting components are heated and insulated to above 180 throughout the sampling path, ensuring stable and accurate NH_3 measurements even under challenging process conditions.

2. Operating Conditions and Requirements

2.1 General Process Conditions

Maximum dust concentration: $< 2000 \text{ g/Nm}^3$
 Flue gas temperature at the sampling point: ≤ 600
 Sampling point pressure: -15 to 15 MPa
 Tar and benzene content: $< 10 \text{ g/Nm}^3$
 Presence of saturated water vapor

2.2 Environmental Conditions

Temperature control cabinet installed outdoors; analyzer unit installed indoors
 Ambient temperature: $5-45$
 Relative humidity: $20-85\% \text{ RH}$
 Atmospheric pressure: $10-106 \text{ kPa}$ (depending on site location)

2.3 Utilities and Gas Supply

Power Supply: $220\text{V} \pm 10\%$, $50\text{Hz} \pm 1\text{Hz}$; 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 $4-7 \text{ kg/cm}^2$ 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	N_2	$\geq 99.9999\%$	$0.5-10 \text{ MPa}$
2	NH_3	80% of the measurement range	$0.5-10 \text{ MPa}$

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 $\leq 100 \text{ g/Nm}^3$ without clogging.

High Filtration Precision – Dust filtration accuracy $0.1 \mu\text{m}$.

High Measurement Accuracy – Analysis accuracy of $\pm 1\% \text{ FS}$.

Fast Response – Response time (T_{90}) $\leq 30 \text{ s}$.

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 NH_3 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.



Nanjing Kelisaik Safety Equipment Co., Ltd.



+86 25 8719 3262



manager@njklsk.cn



multi-gasdetection.com

Bldg 12, 2 Qingshuiting West Road, Nanjing, Jiangsu, China, 211102