KF300 Kiln Inlet Online Gas Monitoring Accurate Emission Analysis for Cement Plant Safety & Efficiency

Our Product Introduction

Basic Information

- Minimum Order Quantity: MOQ 1pc
- Price: USD26000
- Stock: In stock 100pcs
- Shipping Method: Express
- Description: High-precision kiln inlet gas analyzer for cement plants, ensuring safety, efficiency, and emission compliance.
- Payment Terms: T/T

Product Specification

- Product Name: Online Gas Monitoring System
- Measurement Gases: Up To 5 Types (e.g., CO_2, CO, NOx, SO_2, O_2)
- Sampling Method: Heated Extraction With QT100 Probe
- Max Flue Gas Temperature: 1,200 °C (sampling Probe Heating 120–180 °C Adjustable)
- Automation Features: Auto Sampling, Purging, Calibration, Fault Diagnosis, Alarms
- Output: RS232 / RS485 (Modbus), 4–20 MA Analog Output
- Highlight: **KF300 Online Gas Monitoring Analysis System**, **Kiln Inlet Online Gas Monitoring System**, **Cement Plant Online Gas Monitoring Systemng**

More Images

Product Description

KF300 Online Gas Monitoring System

Product Description

The **KF300 Kiln Inlet Online Gas Monitoring System** from **Kelisaike Safety** is a high-performance solution designed specifically for the demanding operating conditions of cement plants. Using advanced heated extraction technology and a

specialized **QT100 sampling probe**, it delivers accurate, real-time analysis of key gaseous pollutants such as CO_2, CO, NOx, SO_2, and O_2—directly from the kiln inlet, decomposition furnace, or preheater outlet.
Engineered for extreme environments, the KF300 operates reliably in flue gas temperatures up to**1,200 °C** and dust concentrations of **2,000 g/m³**, while withstanding corrosive gases such as SO_2. The**pretreatment system** features imported components to resist water, dust, corrosion, and clogging, ensuring continuous operation with minimal maintenance.
The integrated **WT300 multi-gas infrared analyzer** supports up to**five gas channels** with high measurement accuracy, rapid response time (<25s), and versatile data outputs including RS232/RS485 (Modbus) and 4–20 mA analog signals. Combined with the **BRG100 heat-tracing sampling pipe**, the system maintains sample integrity even in low ambient temperatures or humid conditions.
Automation is at the core of the KF300 design, featuring automatic sampling, purging, calibration, fault self-diagnosis, and alarm functions. This reduces manual intervention, lowers operational costs, and ensures consistent data quality for process optimization, safety assurance, and environmental compliance.
With its robust construction, intelligent control software, and industry-proven sampling technology, the KF300 is the ideal solution for cement producers seeking to improve clinker quality, reduce fuel consumption, and meet strict emission standards—all in one integrated system.

Flue Environmental Parameters

Project	**Indicators**
Channel	Max 5 measured gases
	Ccnfiguration information includes
	Measuring gas type
	Measurement range
	Measuring error
Response time	General: 25s (t90@60L/h Constant flow)
Warm time	3min~30minn @ambient 20 (accord different detector configuration)
Digital Res. (@zero	General:
	-0.01vol% in case of percent range(e.g. 0.001vol% for BMBT O2 channel)
	-0.1 umol/mol in case of umol/mol range
Analog output	4~20mA
Communication	Standard RS232, RS485 with modbus protocol
Fuse	Fuse current: 3A, Blow characteristic: Fast Acting
Data interface	4-way switch input; 8-way relay output
Communication Interface	1-way RS-232,1-way RS-485(supports Modbus protocol)
Power	220 V AC/50 Hz 100 W

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