

Easy Installation TDLAS Gas Analyzer For Cutting Edge CO Gas Monitoring

Our Product Introduction

Basic Information

- Place of Origin: Jiangsu, China
- Brand Name: klsk
- Model Number: KF-200
- Minimum Order Quantity: 1PC
- Price: \$5,000.00 - \$70,000.00/sets
- Packaging Details: carton for Laser Absorption Spectroscopy (TDLAS) Online CO Gas Monitoring Analysis
- Stock: 1PC
- Supply Ability: 500 Set/Sets per Month

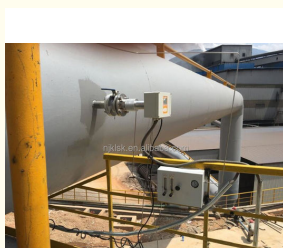


Product Specification

- Power: Electronic
- Use: Gas Testing And Analysis System
- Measurement Principle: TDLAS
- Analog Output: 2-wire 4-20 MA Signal Input (Isolated, Maximum Load 750Ω)
- Power Supply: 24 V DC(18~36 V DC)
- Ambient Temperature: -30 ~+60
- Storage Temperature: -40 ~+80
- Installation Method: In Situ Installation
- Explosion-proof: Exd IICt6 Gb
- EMC: IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4,
- Port: Nanjing
- Highlight: CO TDLAS Gas Analyzer,
Easy Installation TDLAS Gas Analyzer,
CO TDLAS Gas Detection



More Images



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Product Description

Laser Absorption Spectroscopy(TDLAS) online CO gas monitor analysis

KF series Laser Gas Analyzer was developed aiming at industrial online analyzing and environmental online monitoring. Many types of the KF series Laser Gas Analyzer are available, including in-situ probe, bypass type, multi-channel and disc mounted type etc. A wide range of gases such as O₂, CO, NH₃, CO₂, CH₄, H₂O, HC, HF etc. can all be analyzed. The concentration analysis of target gases contains macro-analysis and micro-analysis.

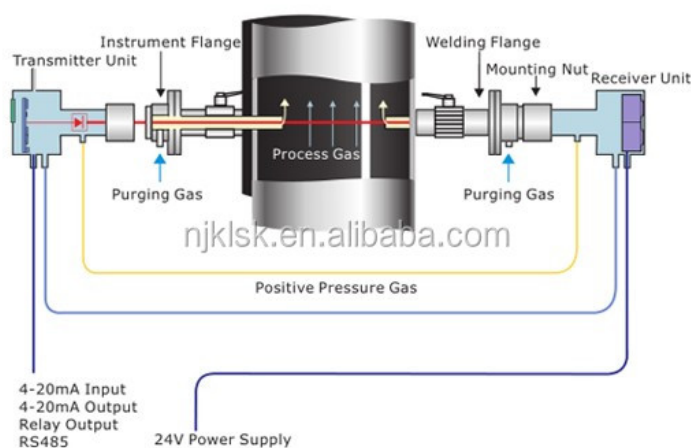
Features and Benefits

In-situ, no need for gas sampling
 No cross interference
 Fast response less than 7s
 Diverse optical length (0.5-20 m)
 Reliable in all harsh conditions: high temperature & pressure, dust density, moisture and corrosion
 Online calibration, no zero drift
 Thousands of tailor-made solutions for various applications

>>> Technical Specifications

Measurement Principle	Tunable Laser Absorption Spectroscopy(TDLAS)		
Technical Data	Linearity	$\leq \pm 1\%$ F.S.	
	Span drift	$\leq \pm 1\%$ F.S./6 months	
	Repeatability	$\leq 1\%$	
	calibration period	≤ 1 time/6 month	
Response Time	Explosion-proof Grade	Exd IIC T6 Gb	
	Protection levels	IP66	
	Warm-up time	≤ 15 min	
	Response time(T90)	$\leq 8 \sim 10$ s	
Interface Signals	Analog outputs	2 outputs 4-20 mA, max signal input(electrically isolated, max. load 750Ω)	
	Analog inputs	2-way 4-20mA input (temperature-pressure compensation)	
	Communications	RS485/RS232/GPRS	
	Relay output	3 outputs relay (24 V DC/1A)	
Operating Conditions	Operation temperature	$-30 \sim +60$	
	Storage Temperature	$-40 \sim +80$	
	Purge Gas	0.3~0.8MPa nitrogen gas or instrument air	
	Power Supply	200-240V AC/48-63Hz, power is base on specific configuration	
Installation	Installation Method	Sampling probe is mounted in the flue / pipe, and the system is installed nearby.	

>>> Composition



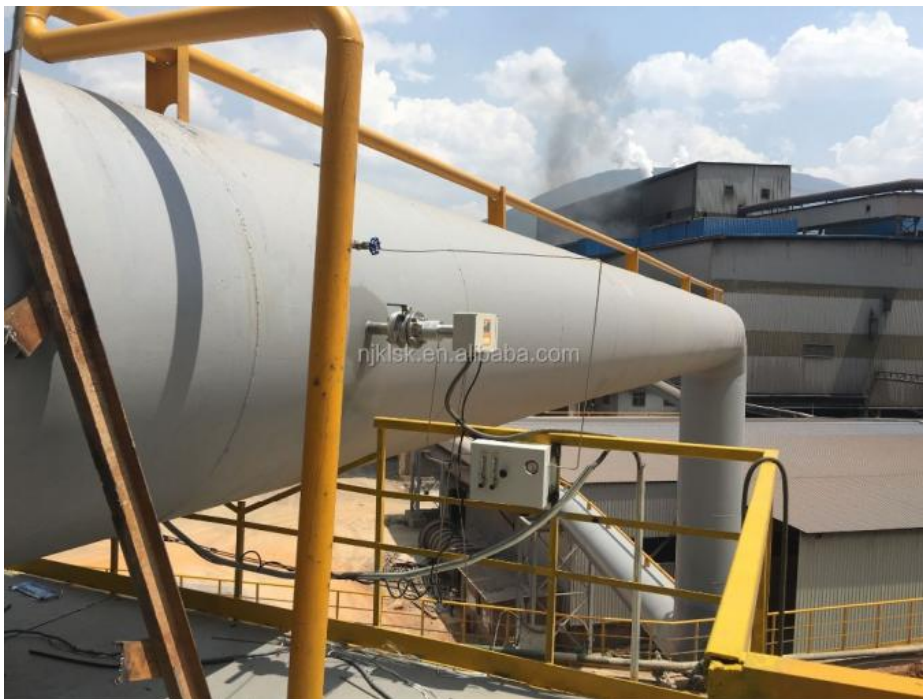
>>> Gas Detection Limits

Detection Gas Type	Detection Limit	Detection range
O ₂	0.01%Vol.	(0-1)%Vol., (0-100)%Vol.
CO ₂	10 ppm	(0-1000)ppm, (0-100)%Vol.
H ₂ S	20 ppm	(0-2000) ppm, (0-100)%Vol.
HCl	0.1 ppm	(0-50) ppm, (0-100)%Vol.

NH ₃	0.1 ppm	(0-10) ppm, (0-100)%Vol.
C ₂ H ₂	0.1ppm	(0-10) ppm, (0-100)%Vol.
CO	10 ppm	(0-1000)ppm, (0-100)%Vol.
H ₂ O	0.3 ppm	(0-50)ppm, (0-100)%Vol.
HF	0.02 ppm	(0-5)ppm, (0-10000) ppm
HCN	0.3 ppm	(0-30)ppm, (0-1)%Vol.
CH ₄	0.4 ppm	(0-40)ppm, (0-100)%Vol.
C ₂ H ₄	0.6 ppm	(0-60)ppm, (0-100)%Vol.

Remark1:The test conditions for 1m optical path, the gas pressure 1bar, gas temperature 300K

Remark2:By increasing the optical path, proportionally lower detection limit





>>> Application Areas

Refinery & Petrochemical

FCC Catalyst Regeneration
 SCR NH₃ Injection
 Desulfurization Efficiency
 Explosive Process Gas
 Sulfur Recovery Flue Gas Measurement Outlet of
 Process Heaters, Fractionators, Thermal Crackers,
 Utility Boilers and Incinerators
 Reactant Ratio Optimization
 Product Purity
 HCL, HF Emission

Metallurgy

Combustion Control for Reheating Furnace, Heat
 Treatment Furnace, Forging Furnace
 Converter Gas Recycle
 Blast Furnace Gas
 Coke Oven Gas
 Flue Gas of Sintering, Pelletizing
 Coal Injection Safety Control
 Electric Tar Precipitator (ETP) Safety Control
 CDQ Circulating Gas
 Gas Tank Safety Control
 Calorific Value Analysis
 Sulfur Recovery

Thermal Power

SCR NH₃ Injection
 Desulfurization Efficiency
 Coal Injection Safety Control
 HCL, HF Emission

Company Information

Nanjing KELISAIKE Safety Equipment Co., Ltd. is one of the largest safety equipment manufacturers in mainland China, possessing the most complete product range and specifications in the safety equipment industry. Founded in 2004, Nanjing KELISAIKE has three subsidiaries in Beijing, Xi'an and Xinjiang province, and over 30 domestic sales service centers.

Standard products include the K60 series portable single gas detectors, K60-IV series multi gas detectors, K800 series fixed gas transmitters, K500 series wall-mounted gas detectors, K1000 series gas detector control panel units, KL99 series air breathing apparatuses, etc. Nanjing KELISAIKE is also a factory with rich experience in OEM service, providing professional design and manufacturing of customized products. The company's products are widely used in fields of petroleum, chemical, gas transmission and distribution, warehousing, municipal gas supply, fire fighting, environmental protection, metallurgy, pharmacy, energy and power industry.

As a leading enterprise in technology innovation, Nanjing KELISAIKE is committed to developing core competencies by continuous technology research. The company has a team of professional and technical talents, including more than 10 senior technicians and masters, who master quite many core technologies.

Nanjing KELISAIKE has passed ISO 9001 International Quality System Certification. With the guidance and tools of the standard, Nanjing KELISAIKE cannot only ensure that all the company's products and services consistently meet customer's requirements, but also that the quality of the products and services will be consistently improved.

KELISAIKE Faith

People-oriented and technology-driven

KELISAIKE Principle

Quality first, integrity-based



Our Services

1. For all our products, we offer a 1 year warranty and life-long maintenance.
2. All inquiries will be replied in 24 hours.
3. We will provide technical support; our engineers will help to solve the problems you met.
4. We can provide OEM and ODM service.
5. Our factory is located in Nanjing city, welcome to visit our factory.
6. All products will be fully checked and well packed before shipment, and qualification certificate will be provided.

FAQ

Q: Can I order one piece as a sample to test the quality?

A: Yes, we recommend ordering sample for quality check before large quantity order.

Q: May I have your catalogue and price list for trial order in MOQ quantity?

A: All our products are shown on Aalibaba.com; please have a detailed look and choose the interested models in the website. Or you can send email to us directly for more product information.

Q: If I order a large quantity, what's the best price?

A: Please send the detailed enquiry to us, including item model number, quantity for each item, quality requirement, Logo and payment terms, shipping method, discharge place, etc. We will make an accurate quotation to you at the earliest time.





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