



Easy Installation TDLAS Gas Analyzer For Cutting Edge CO Gas Monitoring

Our Product Introduction

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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



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.

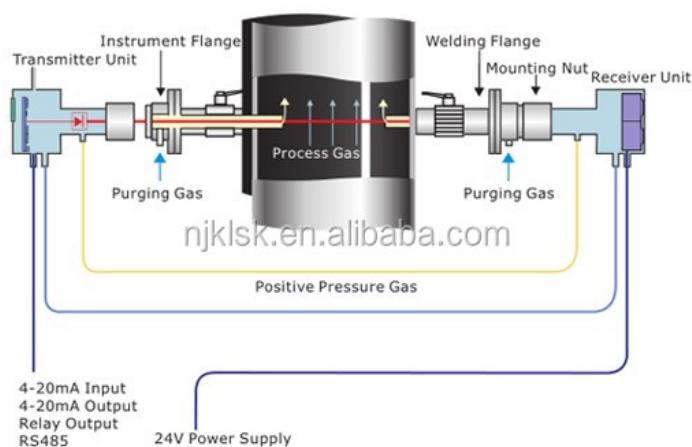
Features and Benefits

- 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	≤±1% F.S.
	Span drift	≤±1% F.S./6 months
	Repeatability	≤1%
	calibration period	≤1 time/6 month
	Explosion-proof Grade	Exd IIC T6 Gb
	Protection levels	IP66
Response Time	Warm-up time	≤15 min
	Response time(T90)	≤8~10 s
	Analog outputs	2 outputs 4-20 mA, max signal input(electrically isolated, max. load 750Ω)
Interface Signals	Analog inputs	2-way 4-20mA input (temperature-pressure compensation)
	Communications	RS485/RS232/GPRS
	Relay output	3 outputs relay (24 V DC/1A)
	Operation temperature	-30 ~+60
Operating Conditions	Storage Temperature	-40 ~+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



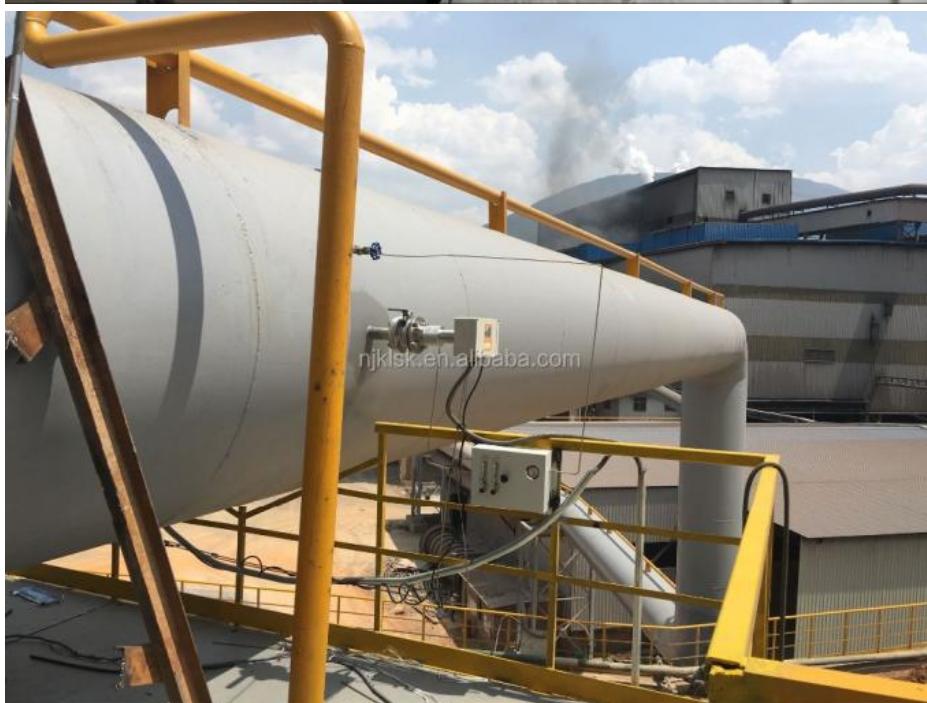
>>> Gas Detection Limits

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



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 Alibaba.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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