



High Performance Sensor KF200 Series TDLAS Laser Gas Analyzer for CO O2 NH3 CO2 CH4 H2O HC HF

Our Product Introduction

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

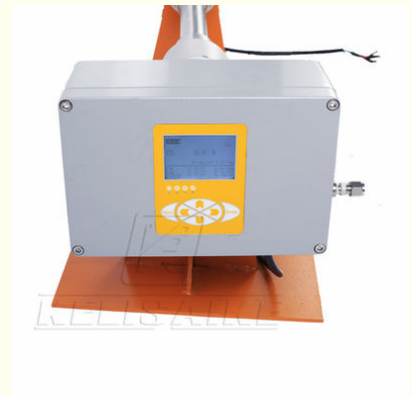
Basic Information

- Minimum Order Quantity: 1PC
- Price: 8,000-70,000
- Stock: 1PC
- Shipping Method: LCL, AIR, FCL, Express
- Description: TDLAS industrial on-line analyzing and online environmental monitoring
- Payment Terms: L/C, D/A, D/P, T/T, Western Union, MoneyGram

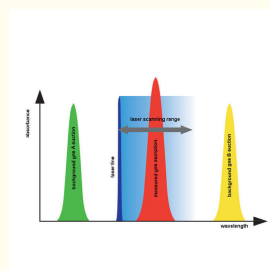
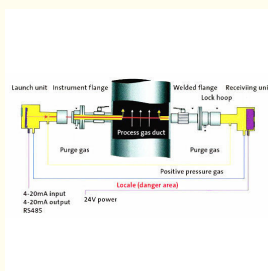


Product Specification

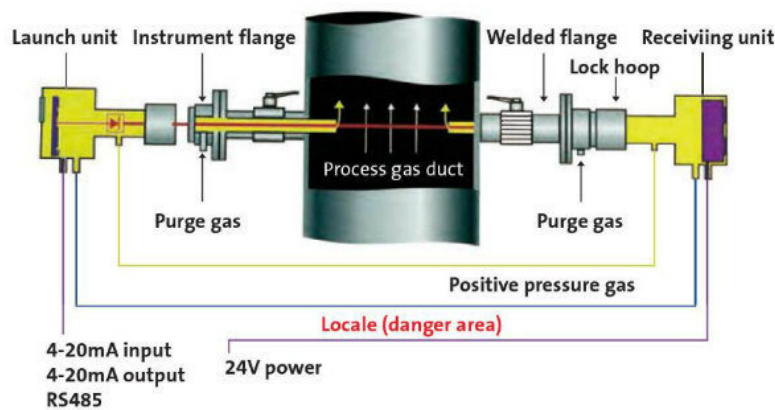
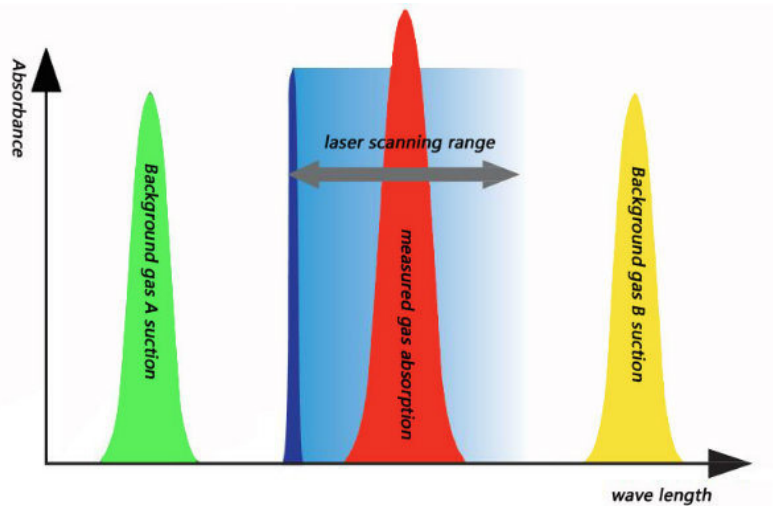
- Model NO.: KF200
- Type: Laser Gas Analyzer
- Certification: CE
- Measurement Principle: Semiconductor Laser Absorption Spectroscopy
- Power Supply: 24VDC(18~36VDC)/220V AC
- Explosion-Proof: Exp Xmd lic T5
- EMC: IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4
- After-sales Service: Lifelong Maintenance
- Warranty: 1 Year
- Customization: Available | Customized Request
- Transport Package: Carton
- Trademark: KELISAIKE Or OEM
- Origin: Nanjing, China
- Model Code: 0007100000



More Images



Product Description



The KF200 Series Laser Gas Analyzer is developed aiming at industrial on-line analyzing and online environmental monitoring. Based on the semiconductor laser absorption spectroscopy (DLAS) technology, it is developed with features of an integrated design and high level of integration.

With various types of the KF200 series laser gas analyzer, including in-situ probing type, by-pass type, multi-channel and disc-moulded type, etc., gases like **O₂, CO, NH₃, CO₂, CH₄, H₂O, HC, HF** etc., can all be analyzed. The concentration analyzing of target gases includes the macro-analysis and micro-analysis.

>>>Technical Principle:

Modulate laser (tunable) wavelength by using the current and temperature to scan the specific absorption peak of the measured gas (no background gas absorption), and then get the second harmonic of the gas absorption. By using the second harmonic information and the broadening of the

gas, the concentration of the gas can be calculated.

>>>Technical Specification:

Measurement Principle	Tunable Laser Absorption Spectroscopy(TDLAS)	
Technical Data	linearity error	$\leq \pm 1\% \text{F.S.}$
	Span drift	$\leq \pm 1\% \text{F.S./6 months}$
	Repeatability	$\leq 1\%$
	Explosion-proof	ExdIICT6 Gb
	Protection levels	IP66
Response Time	Warming-up time	$\leq 15 \text{ min}$
	Response time(T90)	$\leq 1 \text{ s}$
Interface signals	Analogue output	2-wire 4-20mA signal input(Isolated, maximum load 750Ω)
	Relay output	3-wire relay(24V,1A)
	Digital communications	RS485/RS232/GPRS
	Analog input	2-wire 4-20mA signal input (Temperature and pressure compensation)
Laser Safety Standards	GB 7247.1-2001 (idt IEC 60825-1:1993)	
Operating Conditions	Storage Temperature	-30°C~+60°C
	Ambient temperature	-40°C~+80°C
	EMC	IEC 61000-4-2,IEC 61000-4-3,IEC 61000-4-4,IEC 61000-4-5,IEC 61000-4-11
	Gas jet	0.3~0.8MPa Industrial nitrogen inlet and purification instrument gases etc.
	Consumption	<20W
	Power	24V DC(18-36V DC), 220V AC

>>>Gas Detection Limits:

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

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

NO	Detection gas	Detection limit	Detection range
1	O ₂	0.01%Vol	(0-1%)Vol., (0-100)%Vol.
2	CO ₂	10ppm	(0-1000)ppm, (0-100)%Vol.
3	H ₂ S	20ppm	(0-2000)ppm, (0-100)%Vol.
4	HCl	0.1ppm	(0-50)ppm, (0-100)%Vol.
5	NH ₃	0.1ppm	(0-10)ppm, (0-100)%Vol.
6	C ₂ H ₂	0.1ppm	(0-10)ppm, (0-100)%Vol.
7	CO ₂	10ppm	(0-1000)ppm, (0-100)%Vol.
8	H ₂ O	0.3ppm	(0-50)ppm, (0-100)%Vol.
9	HF	0.02ppm	(0-5)ppm, (0-10000)ppm
10	CH ₄	0.4ppm	(0-40)ppm, (0-100)%Vol.
11	C ₂ H ₄	0.6ppm	(0-60)ppm, (0-100)%Vol.

>>>Company Information:



COMPANY
APPEARANCE

THE OFFICE
MEETING



WORKSHOP
INSTRUMENT



- ◆ Nanjing Kelisaike Safety Equipment Co., Ltd. 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.

>>>Product Catalogue:



K60
K60



K60-V
K60-A



K800
K800



K500
K500



KL99
K160



K1000
K1000



KF200
K8300



KF300
K8300

>>>Package and Delivery:



>>>Our Exhibition:



>>>Why Choose Us:

1. Mutual benefit :We are a factory. The price is much more competitive than others in the same quality.
2. Professional engineers: With 20+ years history, KELISAIKE has a professional engineering team: 4 engineers who have more than 20 years' experience and over 5 engineer assistants in gas detection line, with Hi-Tech manufacturing equipments, we make more accurate and stable products.
3. Customize : We have strong R&D team, the custom product as your request are available.
4. Free OEM service : (a) Silk-printing your Logo(z100PCS). (b) Design your color box(z500PCS).
5. Mix order: We accept mix order, different model and small quantity order.
6. After service: (a) 1 Year warranty. (b) If there's any inferior-quality products are found, new ones could be sent to replace at free cost in the next order after confirmation.

>>>Our Service:

1. For all our customers, our products have 1 year warranty, and life-long maintenance.
2. All inquiries will be replied in 24 hours.
3. Providing technical support, professional engineers are specialized in dealing with gas monitoring problems you met.
4. OEM and ODM service are welcome.
5. KELISAIKE plant is located in Nanjing, only 1 hour by high speed train from Shanghai. Welcome to visit the factory.
6. All products are well tested and packed before shipment; the certificate of inspection will be provided.

>>>FAQ:

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

A: Yes, We recommend to check the sample before place an qty order.

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

A: All our products were shown on -line, please have a detailed looking and choose the interested models in our site. Or you can send email to us.

Q: If I order big quantity, what's the good price?

A: Please send the details enquiry to us, such as the Item Number, Quantity for each item, Quality request, Logo, Payment Terms, Transport method, Discharge place etc. We will make the accurate quotation to you as soon as possible.



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