

## Kf200 220V AC Tunable Diode Laser Analyzer For Industrial Pollution Control

Our Product Introduction

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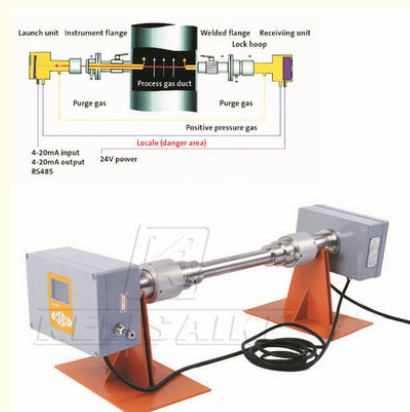
### Basic Information

- Minimum Order Quantity: 1PC
- Stock: 1PC

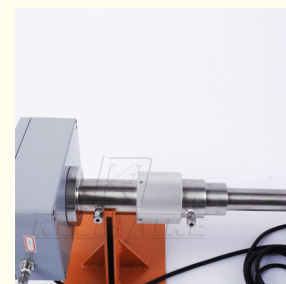
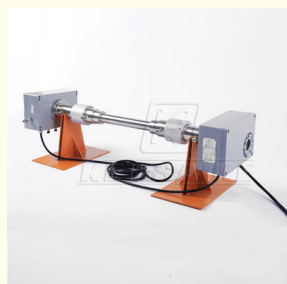


### Product Specification

- Model NO.: KF200
- Gas: Customized
- Type: Laser Gas Analyzer
- 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
- Transport Package: Carton
- Trademark: KELISAIKE Or OEM
- Origin: Nanjing, China
- HS Code: 9027100090
- Supply Ability: 300PCS/Month
- After-sales Service: Lifelong Maintenance



### More Images

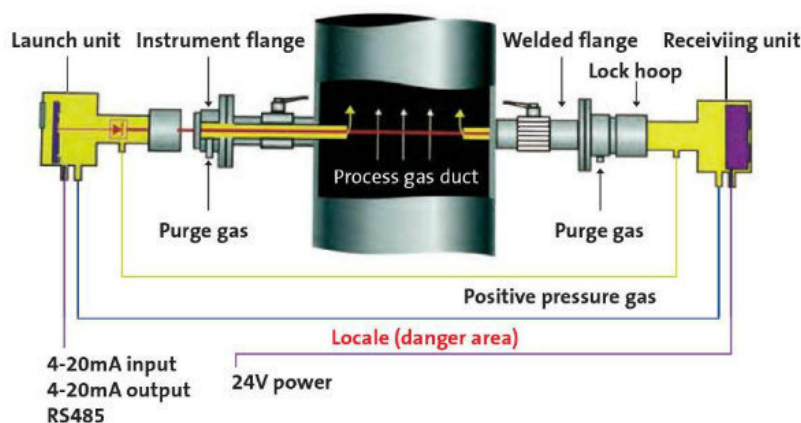
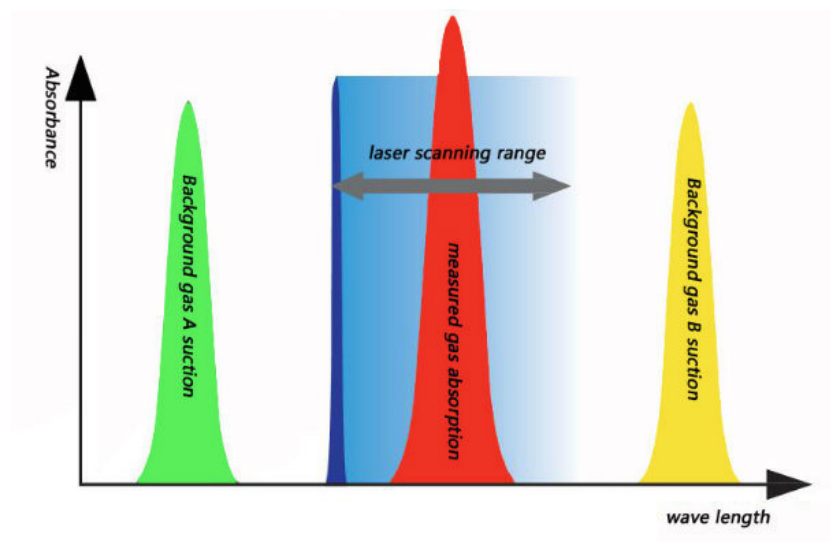


## Product Description

### In-situ DLAS Laser Gas Analyzer for Environment Gas Control Analysis Gas Leak Monitoring



**KF series Laser Gas Analyzer** developed aiming at the industrial on-line analyzing, environmental on-line monitoring. Many types of the KF series Laser Gas Analyzer are available, including in-situ probe, by - pass type, multi-channel and Disc mounted type etc. Gas types like O<sub>2</sub>, CO, NH<sub>3</sub>, CO<sub>2</sub>, CH<sub>4</sub>, H<sub>2</sub>O, HC, HF etc. can be analyzed. The concentration analyzing of target gases contains the macro-analysis and micro-analysis.



### >>>Key Features

1. In-situ probe mounting, real-time monitoring
2. Explosion-proof design, building block design, field replacement of Laser module
3. Using magnetic pen control, convenient operation

### >>>Technical Features

1. Adopting the TDLAS technology, the in-situ online gas analyzing
2. Double probe design, without positive pressure purge, no additional data processing unit, simple compact structure, high reliability
3. Using high-power lasers, no fiber coupling, anti-harsh working conditions (such as excessive dust condition)
4. Using patented technology of spot light path adjustment, easy for on-site installation

### >>>Technical Specifications

<b>Measurement Principle</b>	<b>Tunable Laser Absorption Spectroscopy(TDLAS)</b>	
<b>Technical Data</b>	linearity error	$\leq \pm 1\% \text{ F.S.}$
	Span drift	$\leq \pm 1\% \text{ F.S.} / 6 \text{ months}$
	Repeatability	$\leq 1\% \text{ F.S.}$
	calibration period	$\leq 1 \text{ time} / 6 \text{ month}$
	Explosion-proof Grade	Exp xmd IIC T5
<b>Response Time</b>	Protection levels	IP65
	Warming-up time	$\leq 15 \text{ min}$
	Response time(T90)	$\leq 1 \text{ s}$
<b>Interface Signals</b>	Analog outputs	2-wire 4-20mA signal output(Isolated, maximum load 750Ω)
	Analog inputs	2-way 4-20mA input( temperature-pressure compensation)
	Relay output	3-wire relay(24V, 1A)
	Digital Communication	RS485/RS232/GPRS/Bluetooth
<b>Laser Safety Standard</b>	GB 7247.1-2001(idt IEC 60825-1:1993)	

<b>Operating Conditions</b>	<b>Storage temperature</b>	-40°C~80°C
	<b>Ambient temperature</b>	-30°C~60°C
	<b>EMC</b>	IEC 6100-4-2,IEC 6100-4-3,IEC 6100-4-4,IEC 6100-4-5,IEC 6100-4-11
	<b>Gas jet</b>	0.3~0.8MPa Industrial nitrogen inlet and purification instrument gases etc.
	<b>Power</b>	DC 24V (DC 18~36V),AC 220V,power is base on specific configuration
<b>Installation Method</b>	<b>Consumption</b>	<20W
	Sampling probe is mounted in the flue / pipe,system is installed nearby	

#### >>>Gas Detection Limit

Detection gas type	Detection limit	Detection range
O <sub>2</sub>	0.01%Vol	(0-1%)Vol., (0-100)%Vol.
CO <sub>2</sub>	10ppm	(0-1000)ppm, (0-100)%Vol.
H <sub>2</sub> S	20ppm	(0-2000)ppm, (0-100)%Vol.
HCl	0.1ppm	(0-50)ppm, (0-100)%Vol.
NH <sub>3</sub>	0.1ppm	(0-10)ppm, (0-100)%Vol.
C <sub>2</sub> H <sub>2</sub>	0.1ppm	(0-10)ppm, (0-100)%Vol.
CO	10ppm	(0-1000)ppm, (0-100)%Vol.
H <sub>2</sub> O	0.3ppm	(0-50)ppm, (0-100)%Vol.
HF	0.02ppm	(0-5)ppm, (0-10000)ppm
HCN	0.3ppm	(0-30)ppm, (0-1)%Vol.
CH <sub>4</sub>	0.4ppm	(0-40)ppm, (0-100)%Vol.
C <sub>2</sub> H <sub>4</sub>	0.6ppm	(0-60)ppm, (0-100)%Vol.

#### Remark

- 1: The test conditions for 1m optical path, the gas pressure 1 bar, gas temperature 300k  
2: By increasing the optical path, proportionally lower detection limit.

#### >>>Why choose KELISAIKE?

1. Mutual benefit : We are a Industry and trade integrated enterprise. You only pay for production cost and our interest. That made our price cheaper in the same quality.
2. Professional engineers: We have 3 engineers who have more than 10 years' experience and over 5 engineer assistants in gas detection line, with Hi-Tech equipments, we make more accurate and stable products.
3. Customize : We have strong R&D team, can custom product as your request.
4. Free OEM service : (a) Silk-printing your Logo(≥100PCS). (b) Design your color box(≥500PCS).
5. Mix order : We accept mix order, different model and small quantity order.
6. After service:(a) 1 Year warranty. (b) If you found any inferior-quality products from us, we will send new ones to replace for free in your next order after confirmed.

#### >>>FAQ

##### Q: Are you a manufacturer?

A: Sure, we are the professional safety equipments manufacturer, we have experience of produce and market over 12 years in this field.

##### Q: Are you provide customization?

A: Yes, including gas type, gas detecting range, gas alarm point etc. please contact us about the detailed specifications.

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

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

##### 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.

#### >>>Company View



**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



**Nanjing Kelisaike Safety Equipment Co., Ltd.**



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