

KF200 24V DC Tunable Diode Laser Analyzer Customized For High Dust Environment

Our Product Introduction

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Basic Information

- Place of Origin: Jiangsu, China
- Brand Name: KEILISAIKE
- Model Number: KF-200
- Minimum Order Quantity: 1PC
- Price: \$2,000.00/sets >=1 sets
- Packaging Details: carton for KF200 Laser Absorption Spectroscopy (TDLAS) laser gas analyzer
- Stock: 1PC
- Supply Ability: 500 Set/Sets per Year



Product Specification

- Warranty: 1 Year
- Customized Support: OEM, ODM, OBM
- Power: Electronic
- Measurement Principle: TDLAS
- Analog Output: 2-wire 4 - 20 MA Signal Input (Isolated, Maximum Load 7
- Power Supply: 24 V DC (18~36VDC)
- Ambient Temperature: - 30 ~ + 60
- Storage Temperature: - 40 ~ + 80
- Installation Method: In-situ Installation
- Explosion-proof: Exd IIC T6 GB
- EMC: IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4
- Port: FOB Nanjing / FOB Shanghai
- Highlight: **24V DC Tunable Diode Laser Analyzer, Customized Tunable Diode Laser Analyzer, 24V DC Tdl Oxygen Analyzer**



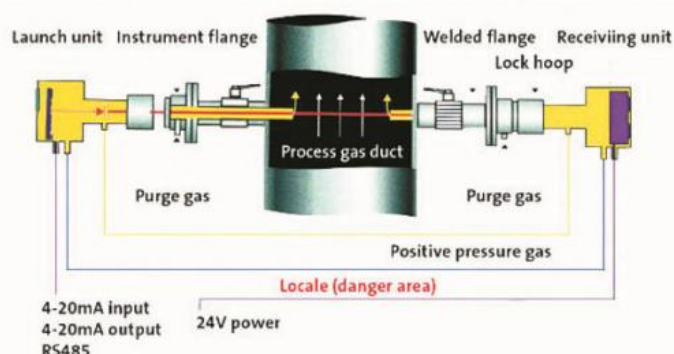
More Images



Product Description

KF200 Bypass UV Gas Analyzer for High Dust Environment

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-mounted type etc., gas 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 Characteristics

- The TDLAS technology is adopted for in-situ online gas analyzing;
- Double-proof probe design negates positive pressure purge, with no additional data processing unit, a simple compact structure and high reliability.
- Using high-power lasers, no fibre coupling, suitable for harsh working conditions(such as excessive dust);
- Using the patented technology of spot light path adjustment, easy for on-site installation.

>>> Technical Specifications

Technical Data	linearity error	≤ ±1%F.S.
	Span drift	≤ ±1%F.S./6 months
	Repeatability	≤1%
	Calibration period	≤1 time/6 month
	Explosion-proof Grade	Ex d IIC T6
Response Time	Protection levels	IP66
	Warming-up time	≤15 min
	Response time(T90)	≤1s
	Analog outputs	2-wire 4-20 mA signal input(Isolated, max. load 750)

Interface Signals	Relay output	3-wire relay(24V,1A)
	Digital Communication	RS485/RS232/GPRS
	Analog inputs	2-way 4-20 mA input(temperature-pressure compensation)
Laser Safety Standard	GB 7247.1-2001(idt IEC 60825-1:1993)	
Operating Conditions	Storage temperature	-30 ~ +60
	Ambient temperature	-40 ~ +80
	EMC	IEC 6100-4-2, IEC 6100-4-3,IEC 6100-4-4, IEC 6100-4-5, IEC 6100-4-11
	Gas jet	0.3-0.8 Mpa Industrial nitrogen inlet and purification instrument gases etc.
	Consumption	<20 W
	Power	24V DC(18-36 V DC),220V AC

>>> Gas Detection Limit

Detection Gas Type	Detection Limit	Detection Range
O2	0.01% Vol	(0-1)%Vol., (0-100)%Vol.
CO2	10 ppm	(0-1000)ppm,(0-100)%Vol.
H2S	20 ppm	(0-2000) ppm, (0-100)%Vol.
HCl	0.1 ppm	(0-50) ppm,(0-100)%Vol.
NH3	0.1 ppm	(0-10) ppm, (0-100)%Vol.
C2H2	0.1 ppm	(0-10) ppm, (0-100)%Vol.
CO	10 ppm	(0-1000)ppm, (0-100)%Vol.
H2O	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.
CH4	0.4 ppm	(0-40)ppm, (0-100)%Vol.
C2H4	0.6 ppm	(0-60)ppm, (0-100)%Vol.

Note 1:

The data are measured under the test conditions of 1 m optical path, 1 bar gas pressure, and 300K gas temperature.

Note 2:

Increasing the optical path will proportionally lower detection limit.





Product Catalogue



K60
K60



K60-V
K60-A



K500
K200



K800
K800



KL99
KL99



K1000
K1000

Company Information



Nanjing KELISAIKE company is one of the largest safety equipment manufactures, possessing the most complete production range and specifications in the safety equipment industry of mainland China. Nanjing KELISAIKE was founded in 2004, including three subsidiaries in Beijing, Xi'an and Sinkiang, and more than 30 domestic sales service centers, with total registered capital of 5.16 million Yuan. Standard products and services cover the portable gas detector, fixed gas transmitter, wall-mounted gas detector, gas detector control unit and air breathing apparatus etc.

Except the above, Nanjing KELISAIKE also have an experienced factory for OEM service, providing professional design and construction of the customize products. The products are widely used in fields of petroleum, chemical, gas transmission and distribution, warehousing, municipal gas, fire fighting, environmental protection, metallurgy, pharmacy, energy and power industry.

Nanjing KELISAIKE is the leader enterprise of the science and technology, persisting in creating core competencies by the core technology. In the company, there is one professional and technical talent team who masters core technology, including more than 10 senior technicians and masters.

Nanjing KELISAIKE has passed IS9001 International Quality System Certification, which ensures all products' excellent performance and competitive prices.

Staff consist of the company. Everyone is the inseparable part of the team. We are one, and only have one mind —best service for you.

KELISAIKE Faith

People-oriented and technology-innovated

KELISAIKE Principle

Quality first, integrity-based

» Our Certificates



We have obtained CE, ISO and other international certificates for different market requirements.

» Our Exhibition



Contact us



Hailie



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