

Cross Duct TDLAS Gas Analyzer Explosion Proof Customizable For Online Analyzing

Our Product Introduction

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

Basic Information

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

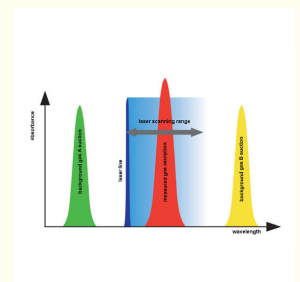
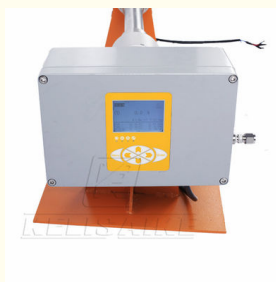
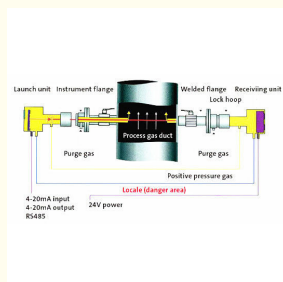


Product Specification

- Power Supply: 24VDC(18~36VDC)
- Explosion-Proof: Exdiict6 GB
- 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
- Brand: Kelisaike
- Customized: Customized
- Certification: CE
- Gas: Customized
- Type: Laser Gas Analyzer
- Measurement Principle: Tdlas



More Images

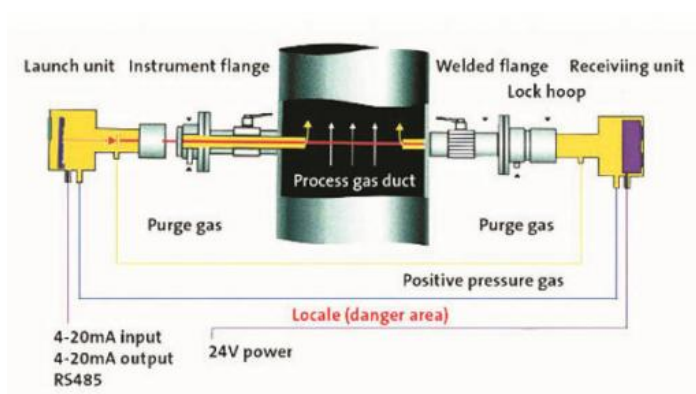


Product Description

IN-SITU CROSS-DUCT TDLAS ANALYZER



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 O₂, CO, NH₃, CO₂, CH₄, H₂O, HC, HF etc. can be analyzed. The concentration analyzing of target gases contains the macro-analysis and micro-analysis.



>>>Key Features

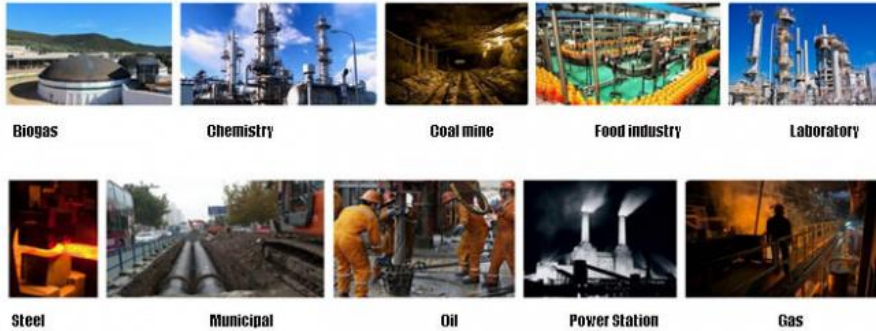
1. In-situ probe mounting, real-time monitoring

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 proof 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-hash working conditions (such as excessive dust condition)
4. Using patented technology of spot light path adjustment, easy for on-site installation

Applications



Package and Delivery



>>>Technical Specifications

Measurement Principle	Tunable Laser Absorption Spectroscopy(TDLAS)	
Technical Data	linearity error	$\leq \pm 1\% \text{ F.S.}$
	Span drift	$\leq \pm 1\% \text{ F.S.} / 6 \text{ months}$
	Repeatability	$\leq 1\%$
	Explosion-proof	ExdIICT6 Gb
Response Time	Protection levels	IP66
	Warming-up time	$\leq 15 \text{ min}$
	Response time(T90)	$\leq 1 \text{ s}$
	Analog output	2-wire 4-20mA signal input(Isolated, maximum load 750Ω)
	Relay output	3-wire relay(24V,1A)
Interface signals	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)	
	Storage Temperature	$-30^{\circ}\text{C} \sim +60^{\circ}\text{C}$
	Ambient temperature	$-40^{\circ}\text{C} \sim +80^{\circ}\text{C}$
Operating Conditions	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	$< 20 \text{ W}$
	Power	24V DC(18-36V DC), 220V AC

>>>Gas detection limit

Detection gas type	Detection limit	Detection range
O2	0.01%Vol	(0-1%)Vol., (0-100)%Vol.
CO2	10ppm	(0-1000)ppm, (0-100)%Vol.
H2S	20ppm	(0-2000)ppm, (0-100)%Vol.
HCl	0.1ppm	(0-50)ppm, (0-100)%Vol.
NH3	0.1ppm	(0-10)ppm, (0-100)%Vol.
C2H2	0.1ppm	(0-10)ppm, (0-100)%Vol.
CO2	10ppm	(0-1000)ppm, (0-100)%Vol.
H2O	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.
CH4	0.4ppm	(0-40)ppm, (0-100)%Vol.
C2H4	0.6ppm	(0-60)ppm, (0-100)%Vol.

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

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

>>>Why choose KELISAIKE?

1. Mutual benefit : We are a factory, our price will be 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(≥ 100 PCS). (b) Design your color box(≥ 500 PCS).
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: Yes, we are the professional safety equipments manufacturer, we have over 12 years produce and market experience 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



COMPANY APPEARANCE

THE OFFICE MEETING



WORKSHOP INSTRUMENT



- Nanjing Kelisaik Safety Equipment Co., Ltd. founded in 2004, Nanjing Kelisaik 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 Kelisaik is also a factory with rich experience in OEM service, providing professional design and manufacturing of customized products.

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 Xinjiang, and more than 30 domestic sales service centers, with total registered capital of 5.16 million Yuan.

We are 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.

Standard products and services cover the portable gas detector, fixed gas transmitter, wall-mounted gas detector, gas detector control unit, air breathing apparatus etc. Also Nanjing KELISAIKE is 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.



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