

Cross Stack Tunable Diode Laser Analyzer 220V AC Maintenance Free

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: 220V AC/Customize
- Ambient Temperature: -30 ~ +60 Degree
- Storage Temperature: -40 ~ +80 Degree
- Installation Method: In-Situ Or Pass-by
- Explosion-Proof: Exdiict6
- EMC: IEC 6100-4-2, IEC 6100-4-3, IEC 6100-4-4
- Protection Levels: IP66
- Warranty: 1 Year
- Transport Package: Carton
- Origin: Nanjing, China
- HS Code: 9027500000
- Supply Ability: 10sets Per Month
- Brand: Kelisaike
- Customized: Non-Customized
- Portable: Non Portable



More Images



Product Description

TDLAS cross-stack maintenance free laser gas analyzer



>>> Product Description

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.

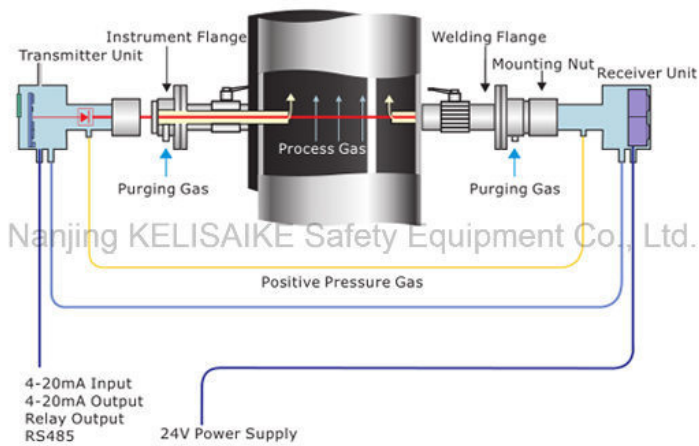
Features and Benefits

- In-situ, no gas sampling
- No cross interference
- Fast response less than 7s
- Diverse optical length (0.5-20m)
- 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.
	Repeatability	≤ ±1%F.S.
	Span drift	≤ ±1%F.S./6 months
	Repeatability	≤ 1%
	calibration period	≤ 1 time/6 month
	Optical path length	0.5-20m
	Process gas temperature	max. 1500°C
	Process gas pressure	max 0.8 to 4 bar abs.
	Explosion-proof Grade	ExdIICT6 Gb
	Protection class	IP66
Response Time	Warm-up time	≤ 15 min
	Response time(T90)	≤ 8~10s(T90)
Interface Signals	Analog outputs	2 outputs 4 20mA, max. load 750Ω, electrically isolated
	Analog inputs	2 inputs 4 20mA, for gas temperature & pressure compensation
	Communications	RS485(or Bluetooth, RS232 or GPRS)
	Relay outputs	3 outputs 24V DC/1A
Operating Conditions	Operating temperature	-30 to +60°C
	Purge gas	0.3 to 0.8MPa nitrogen gas or instrument air
	Storage temperature	-40 to +80°C
	Power consumption	max. 20W
Installation	Power supply	24V D(21-36V DC), or 90-240V AC (power is base on specific configuration)
	Installation Method	Sampling probe is mounted in the flue / pipe, system is installed nearby

>>> Composition



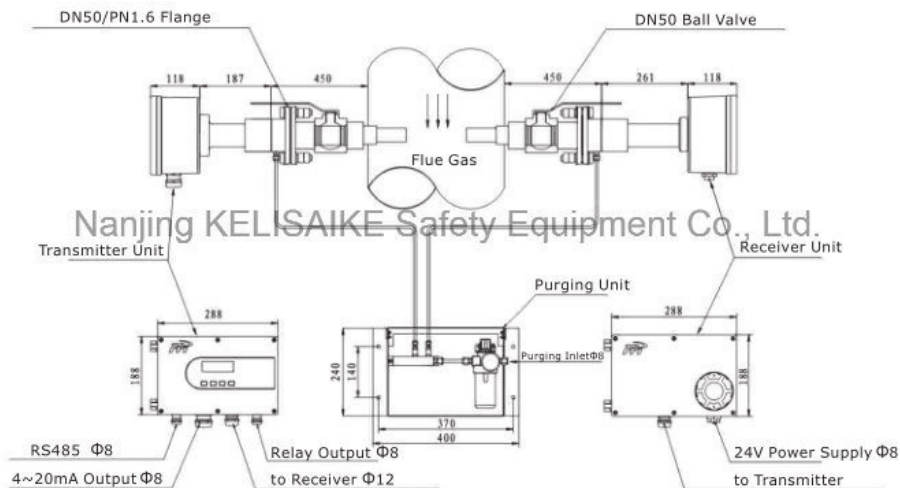
>>> Gas Detection Limits

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
	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

>>> Dimension





>>> 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

>>> OEM

Customize products are also available, pls feel free to contact me for more details.

>>> Our Services

1. The inquiry and question will be replied within 12 hours
2. High quality with competitive price
3. Good after sales service
4. Accept OEM
5. One of the most professional safety equipment manufacturers with a very good and trained team

>>> FAQ

1. How about the Delivery time?

Samples will be prepared within 15 Days after 100% T/T in advance payment. QTY order will be delivered in 30 days.

2. What kind of payments does KELISAIKE support?

T/T, L/C, Western Union, Cash are accepted.

3. What's the MOQ?

Generally speaking, the MOQ is 5PCS, but we also can provide you samples for quality inspection.

4. Do you charge for the samples?

According to our company policy, we just charge the samples based on EXW price.

5. Can you produce according to customers' design?

Sure, we are professional manufacturer, OEM is welcome

>>> COMPANY INFORMATION

Nanjing KELISAIKE is one of the largest safety equipment manufacturers, 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. 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 customized 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 has passed ISO9001 International Quality System Certification, which ensures all products' excellent performance and competitive prices.

KELISAIKE Faith

People-oriented and technology-innovated

KELISAIKE Principle

Quality first, integrity-based



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