Exibd II CT6 KF200 Laser Gas Analyzer For Flue Gas Monitoring SOx NOx

Our Product Introduction

Basic Information

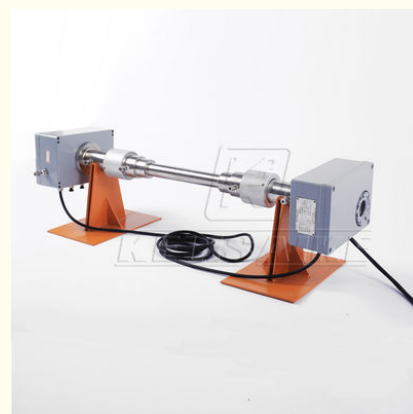- Place of Origin: Jiangsu, China
- Brand Name: KELISAIKE
- Model Number: KF200
- Minimum Order Quantity: 1PC
- Price: $2000.00 - $5000.00/sets
- Packaging Details: Each set wireless vibrate Gas Control Panel alarm will be packed with the export standard carton package or aluminum box or as per customer require handheld Gas Control Panel.
- Stock: 1PC
- Supply Ability: 100 Set/Sets per Month

Product Specification

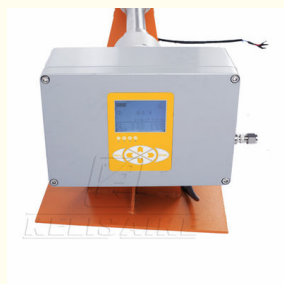- Product Name: K200 Laser Gas Analyzer
- Display: LCD Display
- Output Signals: RS485/RS232/GPGS
- Nominal Voltage: AC 220V/DC 24V
- Span Drift: ≤±%F.S./6 Months
- Explosion-proof Grade: Exibd II CT6
- Response Tine(T90):   ≤1
- Weight: 5.0Kg Gas Control Panel
- Gas Jet: 0.3-0.8Mpa
- EMC: IEC 6100-4-2,IEC 6100-4-3, IEC 6100-4-4, IEC 6100-4-5, IEC 6100-4-100
- Port: Nanjing Port Or Shanghai Port
- Highlight: **KF200 Laser Gas Analyzer**,
                                      Exibd II CT6 Laser Gas Analyzer,
                                      Exibd II CT6 Tdl Gas Analyzer

More Images

KF200 laser gas analyzer(SOx, NOx, CO, CH4, CO2) flue gas analyzer for HF monitoring
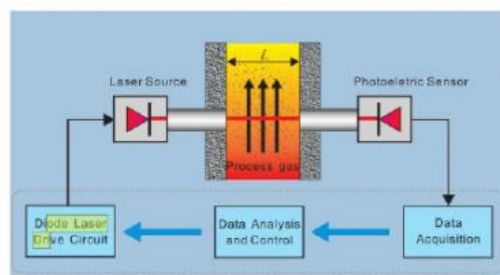

KF-200 system has been extensively used for combustion and safety control, process optimization, energy recovery, scientific research as well as environment monitoring. To date, these units have been employed in metallurgy, refinery, petrochemical, natural gas, power plant, waste incineration, cement and other situations where gas measurement is needed.

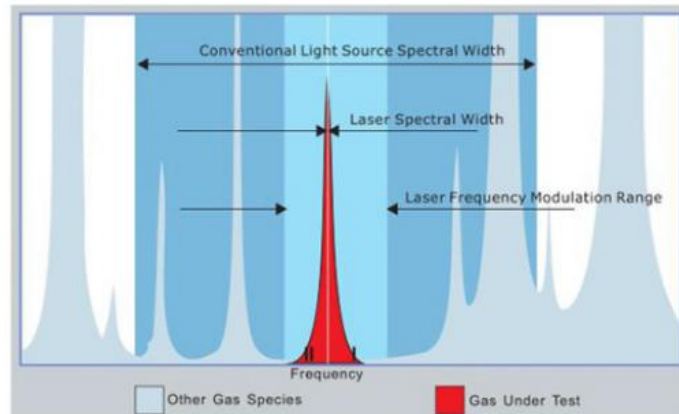## KF200 Series Laser Gas Analyzer
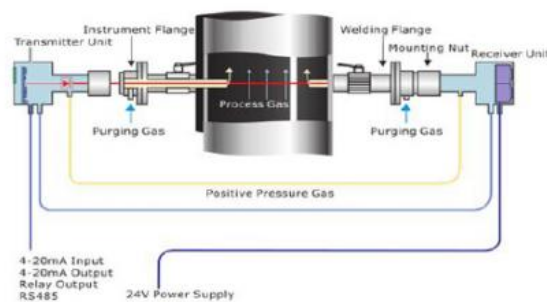

Measuring Principle Diagram

Laser driven		Spectral absorption detection		Concentration analysis
			hardware	software

"Single-line spectrum" measurement

Conventional Light Source Spectral Width

Laser Spectral Width

Laser Frequency Modulation Range

Frequency

Other Gas Species   Gas Under Test

In-situ Laser Gas Analyzer Composition

Transmitter Unit   Instrument Flange   Welding Flange   Mounting Nut   Receiver Unit

Process Gas

Purging Gas   Purging Gas

Positive Pressure Gas

4-20mA Input
4-20mA Output
Relay Output
RS485   24V Power Supply
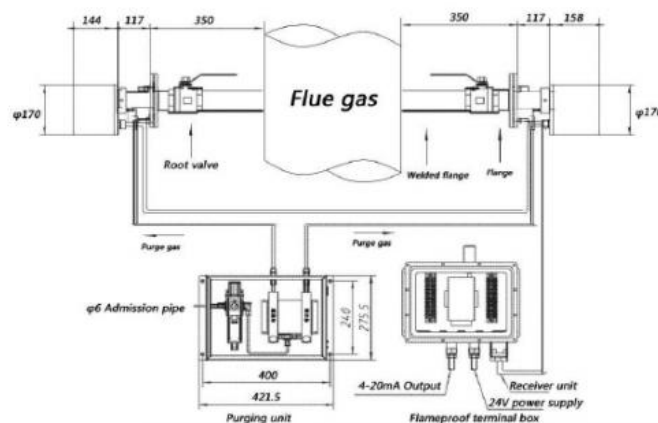
In-situ Laser Gas Analyzer are composited of transmitter unit, receiver unit.
With the spectral analysis, human-computer interaction, positive pressure
control, data communications and other function. Greatly simplifies the process
of installation and maintenance of the site and further improve the system
reliability.

KF-200 Laser Gas Analyzer Dimension

144   117   350   350   117   158

φ170   Flue gas   φ170

Root valve   Welded flange   Flange

Purge gas   Purge gas

φ6 Admission pipe

400

421.5

Purging unit

4-20mA Output   Receiver unit
24V power supply
Flameproof terminal box

Key Features

1. In-situ, no gas sampling
2. No cross interference
3. Fast response less than 7s
4. Diverse optical length (0.5-20m)
5. Reliable in all harsh conditions: high temperature & pressure, dust density, moisture and corrosion
6. Online calibration, no zero drift
7. Thousands of tailor-made solutions for various applications

Product Parameters

Measurement Principie:	Tunable Laser Absorption Spectroscopy(TDLAS)	
Technical Data	Linearity	≤ ± 1%F.S.
	Repeatability	≤ ± 1%F.S.
	Span drift	≤ ± 1%F.S./6 months
	Calibration peried	≤1 time/6 month
	Optical path length	0.5-20m
	Process gas temperature	max. 1500ºC
	Process gas temperature	max 0.8 to 4 bar abs.
	Explosion-poof Grade	ExdIICT6 Gb
	Protection class	IP66
Response Time	Warm-up tiome	≤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
	Power supply	24V D(21-36V DC), or 90-240V AC (power is base on specific configuration)
Installation	Installation Method	Sampling probe is mounted in the flue / pipe,system
Measurement Principle	Tunable Laser Absorption Spectroscopy(TDLAS)	

Measurable Gas Meter

GAS TYPE	DETECTION LIMIT	DETECTION RANGE
O2	0.01%Vol	0-1%Vol, 0-100%Vol
CO	10PPm	0-1000ppm, 0-100%Vol
CO2	10ppm	0-1000ppm, 0-100% Vol
H2O	0.3ppm	0-50ppm, 0-100%Vol

NH3	0.1ppm	0-10ppm, 0-100%Vol
HCL	0.1ppm	0-50ppm, 0-100% Vol
HF	0.02ppm	0-5ppm, 0-10000ppm
H2S	20ppm	0-2000ppm, 0-100%Vol
CH4	0.4ppm	0-40ppm, 0-100%Vol
C2H2	0.1ppm	0-10ppm, 0-100%Vol
C2H4	0.6ppm	0-60ppm, 0-100%Vol
HCN	0.3ppm	0-30ppm, 0-1%Vol

Remake1:The test conditions for 1m optical path at 20 , 1 bar abs, gas temperature 300K
Remake2: By increasing the optical path, proportionally lower detection limit.

Product Catalogue

K60-V

K500

K800

K1000

KF200

KF300

KL99

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.

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

>> Our Exhibition

>> Product Application Show

- 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.

FAQ

Q1: Are you a trading company or manufacturer ?

A1: We aremanufacturer.

Q2: What about the payment method?

A2: T/T, Paypal, Western Union, L/C is available

Q3: Does your company accept customization?

A3: We do customizing service for customers.

Q4: What about the Shipment?

A4: We'll choose proper transportation mode based on the weight of goods, usually arrange shipment by air express such as DHL,FEDEX,TNT or UPS.

Q5: What about after-sale service?

A5:12 months warranty for all kinds of products.

Nanjing Kelisaike Safety Equipment Co., Ltd.

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