

## TDLAS Exdiict6 Tunable Infrared Gas Analyzer IP66 with In Situ Installation

Our Product Introduction

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### Basic Information

- Minimum Order Quantity: 1PC
- Price: USD 10000-20000 PC
- Stock: 1PC
- Shipping Method: LCL, AIR, FCL, Express
- Payment Terms: T/T, Western Union, Paypal



### Product Specification

- Model: KF200
- 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
- Highlight: IP66 Infrared Gas Analyzer,  
Exdiict6 Infrared Gas Analyzer,  
Exdiict6 TDL Gas Sensor



### More Images



## Product Description

### Tdlas Technology Integrated Laser Gas Analyzer for High Corrosion Environment

#### 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 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.





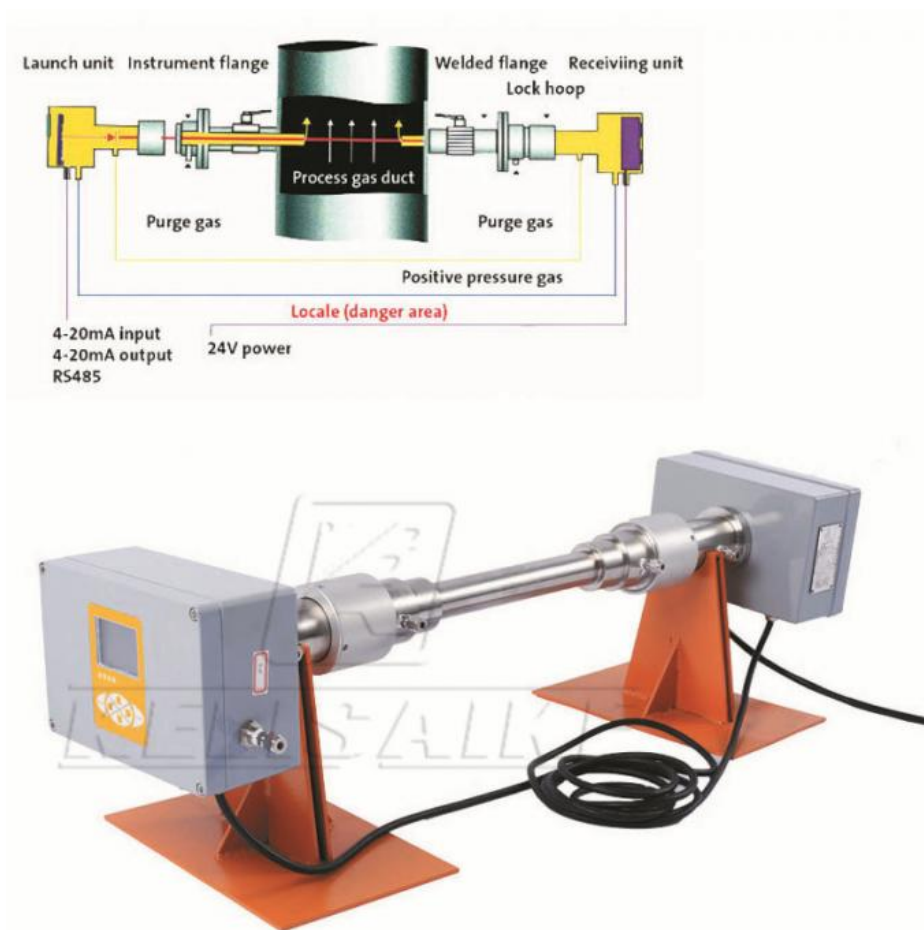
## Features

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

## Technical Specifications

Measurement Principle	Tunable Laser Absorption Spectroscopy(TDLAS)	
Technical Data	linearity error	$\leq \pm 1\% \text{ F.S.}$
	Span drift	$\leq \pm 1\% \text{ F.S./6 months}$
	Repeatability	$\leq 1\%$
	calibration period	$\leq 1 \text{ time/6 month}$
	Explosion-proof Grade	ExdIICT6 Gb
	Protection levels	IP66
Response Time	Warming-up time	$\leq 15 \text{ min}$
	Response time(T90)	$\leq 8 \sim 10 \text{ s}$
Interface Signals	Analog outputs	2-wire 4-20mA signal input(Isolated, maximum load 750Ω)
	Analog inputs	2-way 4-20mA input( temperature-pressure compensation)
	digital outputs	RS485/RS232/GPRS
	Relay output	3-wire relay(24V, 1A)
Operating Conditions	Ambient temperature	$-30^{\circ}\text{C} \sim +60^{\circ}\text{C}$
	Gas jet	0.3~0.8MPa Industrial nitrogen inlet and purification instrument gases etc.
	Power	220VAC,power is base on specific configuration
Installation	Installation Method	Sampling probe is mounted in the flue / pipe,system is installed nearby

## Main Process Line



### Gas Detection Limits

Detection Gas Type	Detection Limit	Detection range
O <sub>2</sub>	0.01%Vol.	(0-1)%Vol., (0-100)%Vol.
CO <sub>2</sub>	10 ppm	(0-1000)ppm, (0-100)%Vol.
H <sub>2</sub> S	20 ppm	(0-2000) ppm, (0-100)%Vol.
HCl	0.1 ppm	(0-50) ppm, (0-100)%Vol.
NH <sub>3</sub>	0.1 ppm	(0-10) ppm, (0-100)%Vol.
C <sub>2</sub> H <sub>2</sub>	0.1ppm	(0-10) ppm, (0-100)%Vol.
CO	10 ppm	(0-1000)ppm, (0-100)%Vol.
H <sub>2</sub> 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 <sub>4</sub>	0.4 ppm	(0-40)ppm, (0-100)%Vol.
C <sub>2</sub> H <sub>4</sub>	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



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