Wall Mount Type Fixed Combustible Gas Detector 2000ppm For Various Environments

Our Product Introduction

Basic Information

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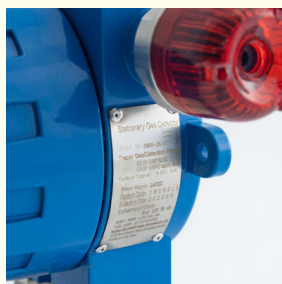- Stock: 1PC

Product Specification

- Type: Electrochemical Gas Analyzer
- Supply Voltage: (17-30)VDC
- Operating Temperature: -20 Degree ~ +55 Degree
- Output Signal: (4-20) Ma / RS485 Optional
- Explosion-Proof Grade: Exd Iict6
- Detection Range: 0-2000ppm
- Response Time: ≤30s
- Detection Error: ≤ 5% F · S
- Zero Drift: < 2% F · S / Year
- Power Waste: < 4W
- Ambient Temperature: (-10~70) °c
- Ambient Humidity: 10%Rh ~ 95%Rh
- Pressure Range: 86 Kpa~106 Kpa
- Degree Of Protection: Lp65
- Transmission Distance: The Longest Distance Is More Than 1000m
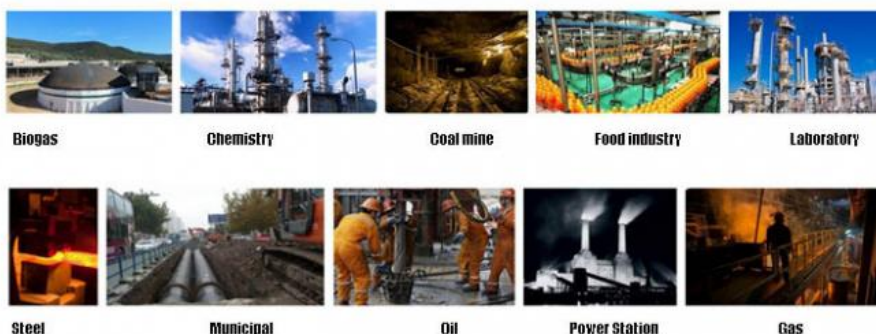
More Images

K700 fixed dual gas detection transmitter

With the rapid development of industry, there are more and more places where human beings are exposed to harmful gases and flammable and explosive
gases, which largely increase the threaten to worker's safety.The repeated poisoning and explosion accidents make people clearly realize the importance of protecting worker's safety while developing industry.Therefore, all kinds of harmful gas and flammable and explosive gas alarm instruments have gradually become essential protective equipment in industrial safety.

K700 fixed gas detection transmitter can be widely used in metallurgy, petroleum,petrochemical,chemical,shipbuilding and other industries.The instrument adopts explosion-proof design,(4 ~ 20) MA standard signal output, which can be transmitted remotely and directly into DCS system. The detection sensor has the characteristics of high sensitivity, rapid response, long service life and short polarization time, and is at the leading level of similar products in China.

Applications

Biogas	Chemistry	Coal mine	Food industry	Laboratory
Steel	Municipal	Oil	Power Station	Gas

>>> Key Features

The combustible gas sensor adopts the latest generation of carrier catalytic elements with low power consumption and high anti-interference.It forms a detection bridge with two fixed resistors.When the combustible gas contained in the air diffuses to the surface of the detection element, the flameless combustion will be carried out quickly under the action of the catalyst on the surface of the detection element, resulting in reaction heat, which increases the platinum wire resistance of the detection element, and the detection bridge outputs a differential pressure signal.The magnitude of this voltage signal is directly proportional to the concentration of combustible gas.After amplification, it performs voltage and current conversion, and converts the percentage content (% LEL) within the lower explosion limit of combustible gas into (4 ~ 20) MA standard signal output.

The oxygen sensor applies the principle of galvanni galvanic cell. Its structure is that the anode (lead) and cathode (silver) are installed in the galvanic cell, which are separated from the outside with a thin film. When the oxygen-containing gas in the air reaches the cathode through this thin film, redox reaction occurs.At this time, the sensor will have a mV level voltage output proportional to the oxygen concentration. After the voltage signal is amplified, it will convert the voltage and current, and convert the content within the percentage of oxygen (0 ~ 30%) into a standard signal output.

>>>Technical Specifications

	Instrument performance	performance index
Working conditions	supply voltage	(17-30) VDC
	power waste	< 4W
	ambient temperature	(-10~70) ° c
	ambient humidity	10%RH ~ 95%RH
	Pressure range	86 KPa~106 KPa
Output mode	output signal	(4-20) MA / RS485 optional
Technical indicators	Detection gas	See the specific table above
	response time	≤30S
	Detection error	≤ 5% f · s
	Zero drift	< 2% f · s / year
	Explosion proof sign	ExdI1CT6
	Degree of protection	1P65
other	transmission distance	The longest distance is more than 1000m (RVVP 3 is selected for use with the controller)×1.5 mm2 shielded cable)
	Operation mode	Infrared remote control
	Audible and visual alarm	Explosion proof audible and visual alarm lamp can be selected
	weight	With display ≤ 1.5kg; without display ≤ 1.2kg
	Overall dimension	183mm×143mm×107mm (display type)
		183mm×143mm×92mm (no visible type)
	Installation mode	Wall type, pipe type

LIST OF COMMONLY DETECTED GASES

Detection gas	range	Accuracy	Minimum reading	response time
Combustible gas (Ex)	(0~100) %LEL	±5%(F.S)	1	≤ 25 seconds
Carbon monoxide (CO)	(0~1000) PPM	±5%(F.S)	1	≤ 25 seconds
Oxygen (O2)	(0~30) %Vol	±1.5%(F.S)	0.1	≤ 25 seconds
Benzene (C6H6)	(0~1000) PPM	±5%(F.S)	1	≤ 25 seconds
Carbon dioxide (CO2)	(0-5)%VOL	±0.5%(F.S)	0.01	≤ 25 seconds
Hydrogen sulfide (H2S)	(0~100) PPM	±5%(F.S)	1	≤ 25 seconds
Hydrogen (H2)	(0-1000) PPM	±5%(F.S)	1	≤ 25 seconds
Ammonia (NH3)	(0~100) PPM	±8%(F.S)	1	≤ 25 seconds
Chlorine (Cl2)	(0~10) PPM	±5%(F.S)	1	≤ 25 seconds
Nitrogen dioxide (NO2)	(0~10) PPM	±5%(F.S)	1	≤ 25 seconds
Hydrogen chloride (HCl)	(0~100) PPM	±5%(F.S)	1	≤ 25 seconds
Hydrocyanic acid (HCN)	(0~100) PPM	±5%(F.S)	1	≤ 25 seconds
Sulfur dioxide (SO2)	(0~100) PPM	±5%(F.S)	1	≤ 25 seconds
Nitric oxide (no)	(0~100) PPM	±5%(F.S)	1	≤ 25 seconds

Certification:

Our Service:
1. For all our products, we offer a 1 year warranty and life-long maintenance.
2. All inquiries will be replied in 24 hours.
3. We will provide technical support; our engineers will help to solve the problems you met.
4. We can provide OEM and ODM service.
5. Our factory is located in Nanjing city, welcome to visit our factory.
6. All products will be fully checked and well packed before shipment, and qualification certificate will be provided.

>>>Calibration:
For the calibration of KELISAIKE products, please feel free to contact us for help.

>>>Why should you choose KELISAIKE?
1. Mutual benefits: We are a manufacturer, so we can offer products of the same quality at the best prices.
2. Professional engineers: We have seasoned engineers with over 10 years' experience in gas detection field. With various hi-tech equipment, we make products with higher accuracy and stability.
3. Customization: Thanks to our strong R&D team, we can customize our products at your request.
4. Free OEM service: a) Silk-print your Logo (≥ 100 PCS). b) Design your colour box packing (≥ 200 PCS).
5. Mixed order: We accept mixed orders, with different models and small quantity orders.
6. After service: (a) 1 Year warranty. (b) If you found any of our products of inferior-quality, we will send you new ones to replace them for free in the next order after verification.
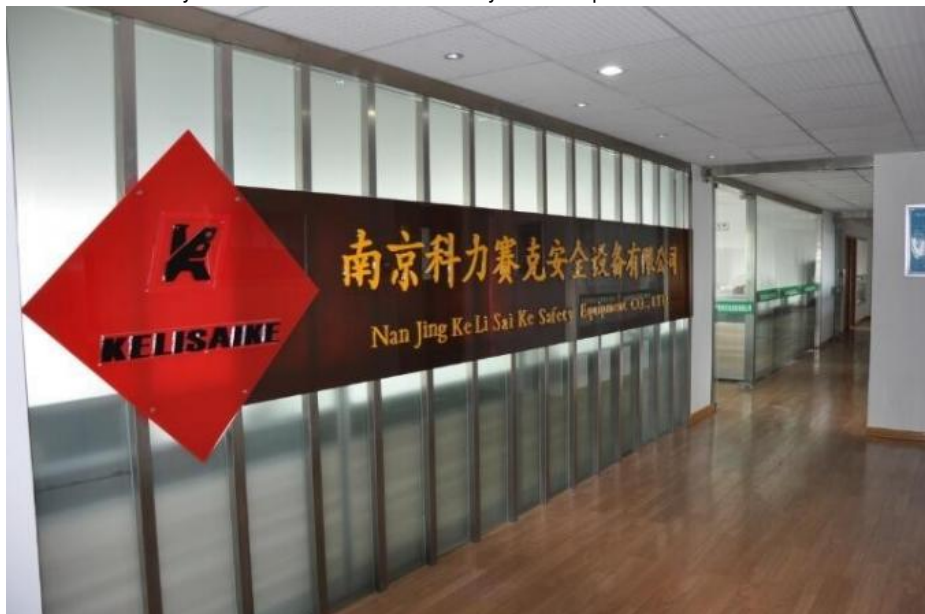
>>>FAQs:
Q: Can I order one piece as a sample to test the quality?
A: Yes, we recommend ordering sample for quality check before large quantity order.

Q: May I have your catalogue and price list for trial order in MOQ quantity?

A: All our products are shown on njklsk.en.made-in-china.com; please have a detailed look and choose the interested models in the website. Or you can send email to us directly for more product information.

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