

Explosion Proof Fixed Gas Detector K800 Industrial Gas Leakage Detector 4-20mA RS485

Our Product Introduction

Basic Information

- Place of Origin: Nanjing, China
- Brand Name: KELISAIKE
- Certification: CE
- Model Number: Per the description
- Minimum Order Quantity: 1
- Price: \$100-800 PC
- Stock: 100PC
- Shipping Method: AIR, LCL, FCL, Express
- Description: Fixed Gas Detector K800 Series: For industrial gas leak monitoring in chemical plants, oil fields & mines.
- Payment Terms: T/T



Product Specification

- Voltage: DC 24V
- Operating Temperature: -20 Degree ~ +50 Degree
- Signal Output: 4 To 20mA
- Explosion-Proof Grade: Exd Iict6
- Certificate: Ce, UL
- Warranty: 1 Year
- Detection Range: 0-200ppm
- Low Alarm: 10ppm
- High Alarm: 50ppm
- Outer Case: Aluminum Alloy And Stainless Steel
- Transport Package: Carton
- Specification: 1.8kg
- Trademark: Kelisailke, Or OEM
- Origin: Nanjing, China
- HS Code: 8531100000

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K800 Industrial Fixed Gas Detector



The K800 series is an explosion-proof fixed gas detector designed for continuous gas concentration monitoring in industrial environments. It uses catalytic, electrochemical or infrared sensing technology according to the target gas and provides reliable gas concentration measurement for industrial safety applications.

The detector supports **4-20mA analog output and RS485 MODBUS communication**, making it suitable for connection with PLC, DCS, gas detection controllers and other industrial control systems.

Key Features

Explosion-proof design: **Ex d IIC T6**

Protection rating: **IP66**

4-20mA analog output

RS485 MODBUS communication

3 relay outputs for alarm or external equipment control

24V DC operating voltage

4-digit LED display / LCD or OLED display options

Remote-control operation

Modular design for easier maintenance

Imported gas sensor options from CITY, Alphasense, Dynament, Hoey well and other sensor suppliers

Continuous gas monitoring by natural diffusion

Suitable for wall, tube or fixed-bracket installation

Typical Applications

K800 can be used for continuous monitoring in oil and gas facilities, chemical plants, industrial workshops, storage areas, gas stations and other locations where combustible or toxic gas leakage may occur.

The detector can transmit gas concentration signals to a central controller or PLC/DCS system and can activate external equipment such as exhaust fans when preset alarm thresholds are exceeded.

Detailed types of the K800 series Fixed Gas Detector:

K800-[gas type]-[mount pattern]

N: with non-display

D: with LED display

DA: alarm with light and sound

>>> Technical Specification

Power supply 24VDC

Output signal 4-20mA standard industrial signal output

Operating temperature -20°C~+50°C

Display Backlight LED

Relative humidity 15%~90% RH (non-condensing)

Atmospheric pressure 86~106Kpa

Explosion-proof grade Exd IIC T6

Warranty 1 year

Detection system draft and detector working principle:

COMMONLY USED GAS DETECTION LIST

No.	Detection gas	Range	Accuracy	90% response time	Min readout	Low/high alarm
1	PH3	0-5-2000ppm	±5%(F.S)	≤25s	0.01ppm	0.3/5ppm
2	O2	0-30%	±5%(F.S)	≤15s	0.1%vol	18.0%/23.0%
3	LPG(LEL/CH4)	0-100%LEL	±5%(F.S)	≤5s	1%LEL	25.0%/50.0%LEL
4	CO	0-1000 ppm	±5%(F.S)	≤25s	1 ppm	50ppm/100ppm
5	H2S	0-100 ppm	±5%(F.S)	≤30s	1 ppm	10ppm/20ppm
6	CH4	0-100%LEL	±5%(F.S)	≤5s	1%LEL	25.0%/50.0%LEL

7	NH3	0-100ppm	±5%(F.S)	≤50s	1 ppm	25 ppm /50 ppm
8	O3	0-20ppm	±5%(F.S)	≤60s	0.01ppm	0.2ppm/0.4ppm
9	Cl2	0-20 ppm	±5%(F.S)	≤30s	0.1 ppm	1 ppm /10 ppm
10	H2	0-1000 ppm	±5%(F.S)	≤60s	1 ppm	50 ppm /100 ppm
11	SO2	0-100 ppm	±5%(F.S)	≤30s	0.1 ppm	2 ppm /10 ppm
12	NO	0-250 ppm	±5%(F.S)	≤60s	1 ppm	25ppm/50 ppm
13	NO2	0-20 ppm	±5%(F.S)	≤25s	0.1 ppm	3ppm/10ppm
14	Infrared CO2	0-5%vol	±5%(F.S)	≤60s	0.1%vol	1%vol/2%vol
15	Infrared CH4	0-5%vol	±5%(F.S)	≤60s	0.1%vol	0.1%vol/0.15%vol
16	Infrared C3H8	0-5%vol	±5%(F.S)	≤60s	0.1%vol	0.1%vol/0.15%vol
17	PID(VOCs)	1-1999ppm	±5%(F.S)	≤20s	0.1ppm	customize

>>>Package

>>> Our Services

- 1.For all our customers, our products have 1 year warranty, and life-long maintenance.
- 2.All inquiries will be replied in 24 hours.
- 3.Providing technical support, professional engineers are specialized in dealing with gas monitoring problems you met.
4. OEM and ODM service are welcome
- 5.KELISAIKE plant is located in Nanjing, only 1 hour by high speedtrain from Shanghai. Welcome to visit the factory.
- 6.All products are well tested and packed before shipment; the certificate of inspection will be provided.

>>> Calibration

Do you know how to calibrate your portable gas detectors?

Please contact us to ask for help.

Why choose KELISAIKE?

1. Mutual benefit : We are a factory. The price is much more competitive than others in the same quality.
2. Professional engineers: With 10+ years history, KELISAIKE has a professional engineering team: 4 engineers who have more than 10 years' experience and over 5 engineer assistants in gas detection line, with Hi-Tech manufacturing equipments, we make more accurate and stable products.
3. Customize : We have strong R&D team, the custom product as your request are available.
4. Free OEM service : (a) Silk-printing your Logo(≥100PCS). (b) Design your color box(≥500PCS).
5. Mix order : We accept mix order, different model and small quantity order.
6. After service: (a) 1 Year warranty. (b) If there's any inferior-quality products are found, new ones could be sent to replace at free cost in the next order after confirmation.

>>> FAQ

Q: Can I order one piece for sample to test the quality?

A: Yes, We recommend to check the sample before place qty order.

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

A: All our products were shown on -line, please have a detailed looking and choose the satisfied models, or just send email to us.

Q: If I order big quantity, what's the good price?

A: Please send the detailed enquiry to us, including the Item Number, Quantity for each item, Quality request, Logo, Payment Terms, Transport method, Discharge place etc. Best quotation will be given to you as soon as possible.

>>>COMPANY VIEW

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.



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.



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