

Explosion Proof Fixed Gas Detector DC 24V With Light And Sound Alarm

Our Product Introduction

for more products please visit us on multi-gasdetection.com

Basic Information

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

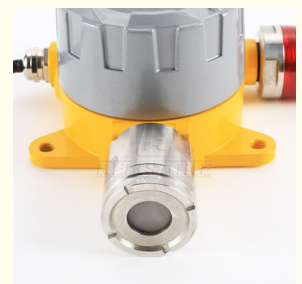


Product Specification

- Model NO.: K800
- Type: Non-Dispersive Infrared Analysis
- Voltage: DC 24V
- Operating Temperature: -20 Degree ~ 50 Degree
- Signal Output: 4 To 20mA
- Explosion-Proof Grade: Ex D IIC T6
- Certificate: CE
- Detection Range: 0-100%Lel
- Low Alarm: 25%Lel
- High Alarm: 50%Lel
- Outer Case: Aluminum Alloy And Stainless Steel
- Transport Package: Carton
- Specification: 1.8kg
- Trademark: OEM & KELISAIKE
- Origin: Nanjing, China



More Images



Product Description

UL&CE Certified High Accuracy Gas Detection Alarm for Toxic Gases Sensor Detector

K800 Series Fixed Gas detector provides comprehensive monitoring of combustible, toxic gas hazards in potentially explosive atmospheres, indoors and outdoors-and is marked by installation ease and flexibility, user-friendly operation and cost-effective gas monitoring.

Fixed Gas Detector

The 2/3/4 wire, 4-20mA and RS485 Modbus output K800 series fixed device provides continuous detection and monitoring of gases for a wide range of industrial environments. The fixed point detector with in-built alarm and fault relays for the protection of personnel and plant from flammable, toxic and oxygen hazards.



>> Product Detail

K800 Fixed Gas Detector



UK sensors (brands CITY, Alphasense, Dynament etc.), **US** (brand Honeywell), **Japanese and German sensors**, ensuring high stability & sensitivity

CE/ATEX approved. Gas detectors are approved under the ATEX directive.



Larger & stronger LED screen:
easy for reading; able to work in environments with -4 °F to 122°F (-20°C – +50°C), 0 – 95% RH, non-condensing (anti-splash)

- **High response speed:** Specially designed main board for industrial use; 10+ years professional engineering team for technical solutions
- **OBM/ ODM/ OEM Service:** with over 14 years experience, specializing in gas detectors.



>>>Key Features

- 1) Providing digital LCD display, alarm facility with sound and light, and solid relay output on the spot, allowing control the equipments easily.
- 2) Supporting 4 to 20mA analog signal output (DC 24V), connecting to the remote host controller, and having direct access to the DCS.
- 3) Connecting 3 - core shield cable, 3x1.0mm.
- 4) Special transmitter mounting kit making the installation and performing calibration easier and better.
- 5) Ambient temperature: -20°C~50°C
- 6) Explosion-proof grade: Ex d IIC T6
- 7) High sensitivity, short response time and good stabilization

Detailed types of the K800 series Fixed Gas Detector:

K800-[gas type]-[mount pattern]

N: with non-display

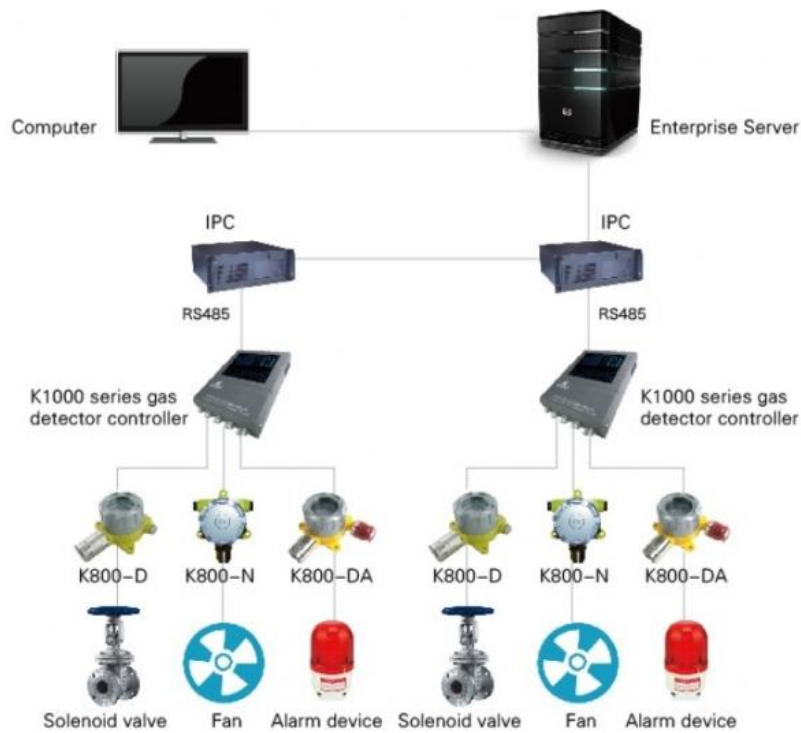
D: with LED display

DA: alarm with light and sound

>>>Technical Specification

Power supply	24V DC
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	Ex d 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	PH ₃	0-5ppm	±5%(F.S)	≤25s	0.01ppm	0.3ppm/5ppm
2	O ₂	0-30%vol	±5%(F.S)	≤15s	0.1%vol	18%vol/23%vol
3	EX(LEL/CH ₄)	0-100%lel	±5%(F.S)	≤15s	1%lel	25%lel/50%lel
4	CO	0-2000 ppm	±5%(F.S)	≤25s	1 ppm	50ppm/100ppm
5	H ₂ S	0-100 ppm	±5%(F.S)	≤30s	1 ppm	10ppm/20ppm
6	NO ₂	0-20 ppm	±5%(F.S)	≤25s	0.1 ppm	3ppm/10ppm
7	NO	0-250 ppm	±5%(F.S)	≤60s	1 ppm	25ppm/50 ppm
8	SO ₂	0-100 ppm	±5%(F.S)	≤30s	0.1 ppm	2 ppm /10 ppm
9	CL ₂	0-20 ppm	±5%(F.S)	≤30s	0.1 ppm	1 ppm /10 ppm
10	NH ₃	0-200ppm	±5%(F.S)	≤50s	1 ppm	25 ppm /50 ppm
11	H ₂	0-1000 ppm	±5%(F.S)	≤60s	1 ppm	50 ppm /100 ppm
12	HCN	0-50ppm	±5%(F.S)	≤200s	0.1ppm	10ppm/20ppm
13	HCL	0-20ppm	±5%(F.S)	≤60s	0.1ppm	5ppm/10ppm
14	CH ₄ (IR)	0-5%vol	±5%(F.S)	≤60s	0.01%vol	customized
15	CO ₂ (IR)	0-5%vol (0-5000ppm)	±5%(F.S)	≤60s	0.1%vol (1ppm)	customized
16	PID(VOCs)	1-1999ppm	±5%(F.S)	≤20	0.1ppm	customized
17	C ₃ H ₈	0-5%vol	±5%(F.S)	≤60s	0.01%vol	customized
18	O ₃	0-10ppm	±5%(F.S)	≤30s	0.02ppm	1ppm/2ppm

>>>Certificate

Verification of Compliance



No. EC.1282.00140417.NKSQX43

Certificate's Holder: Nanjing KELISAIKE Safety Equipment Co., Ltd.
No. 9 Gaohu Road, Jiangning District, Nanjing, 211100, China

Product: Fixed Gas Transmitter
Model(s): K800-CO, K800-O₂, K800-H₂S, K800-H₂, K800-NH₃, K800-CH₄, K800-EX, K800-PH₃, K800-NO₂, K800-NO, K800-SO₂, K800-CL.

Verification to Standard:
EN 61000-3-2:2006+A1:2009+A2:2009,
EN 61000-3-3:2013, EN 61000-6-1: 2007,
EN 61000-6-3:2007+A1:2011+AC:2012.

related to:
Directive 2004/108/EC (Electromagnetic Compatibility)

Remark: This Verification of Compliance has been issued on a voluntary basis. ECM confirms that a Technical Construction File (TCF) is existent for the above listed product(s). The TCF satisfactorily covers the essential requirements of the above listed standards related to Directive 2004/108/EC (Electromagnetic Compatibility). Other relevant Directives have to be observed in case they are applicable. This Document is only valid for the equipment and configuration described and in conjunction with the TCF detailed above. Whereas the Manufacturer is responsible of the certification of the product(s) and not exempted to perform all the necessary activities before placing the product(s) on the market. The Manufacturer is also responsible of the internal production control to ensure the product(s) are in compliance with the essential requirements of the above mentioned Directive(s). This certificate can be checked for validity at www.entecerma.org

Date of issue APRIL 2014

Certification Chief Manager
Tim Mahan



Expiry date APRIL 2019

Certification Deputy Manager
Vito Males



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>>>Package

One pc in one carton.

>>> 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 speed train 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.

[>>>Contact Us](#)



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