



K800 UL ATEX Iecex Certified Fixed Gas Detector with Electrochemical and NDIR Sensors and 4–20 mA Analog Output

Our Product Introduction

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Basic Information

- Place of Origin: CHINA
- Brand Name: KELISAIKE
- Certification: CE, ATEX IECEx UL ROHS REACH
- Model Number: K800
- Minimum Order Quantity: 1pc
- Price: USD 200/pc
- Packaging Details: carton package
- Delivery Time: 10days
- Payment Terms: T/T
- Supply Ability: 1000pcs, 1week



Product Specification

- Detection Time: 30s
- Self Test: Yes
- Weight: Approx. 2kgs
- Ambient Environment: -20 To 50 ,5-90%RH(No Condensing)
- Measuring Range: 0~100ppm 0-1000ppm 0-2000ppm, Customized
- Working Principle: Electrochemical Sensor NDIR
- Shell: Aluminum stainless
- Detecting Gas: Combustible Gas, Toxic Gas
- Highlight: **UL ATEX Iecex Certified Fixed Gas Detector , Electrochemical and NDIR Sensors Gas Detection System , 4–20 mA Analog Output Industrial Gas Monitor**



More Images



Product Description

K800 Fixed Gas Detector UL ATEX IECEx for Industrial Emissions

The K800 Fixed Gas Detector is the optimal choice for demanding industrial applications requiring continuous safety monitoring where hazardous gases threaten personnel, assets, and operations.

Advanced Gas Detection System

This high-performance intelligent gas detection system integrates advanced sensing technology with reliable communication features for seamless integration into existing control systems. Engineered to meet modern safety standards, the K800 ensures ongoing protection in hazardous areas.

Comprehensive Connectivity Options

Supporting both 3-wire and 4-wire setups, the K800 provides standard 4–20 mA analog output with optional RS485 MODBUS and HART digital protocols. This ensures compatibility with Distributed Control Systems (DCS), Programmable Logic Controllers (PLC), and SCADA platforms for real-time data exchange.

Precision Detection Technologies

The K800 features advanced sensor technology for highly accurate and dependable gas detection:

- Electrochemical sensors for precise measurement of toxic gases and oxygen levels
- Infrared sensors resistant to poisoning, ideal for flammable gas detection in harsh environments
- Catalytic bead sensors designed to resist contamination and maintain long-term accuracy for combustible gases

Broad Detection Capabilities

Designed for versatility, the K800 supports multiple configurations to detect:

- Flammable gases via catalytic or infrared sensors
- Toxic gases with high specificity
- Oxygen levels to monitor enrichment or deficiency hazards

Real-Time Monitoring

Continuous 24/7 gas monitoring with instant alerts through integrated alarm systems featuring visual and audible signals for swift safety responses.

User-Friendly Interface

Clear LED indicators display real-time operational status including faults, warnings, and alarms for quick condition assessment and reduced maintenance.

Rugged Industrial Design

Industrial-grade enclosure built to withstand tough conditions including weather, dust, and mechanical stress for indoor and outdoor hazardous area installations.

Easy Installation & Maintenance

Built-in mounting bracket, removable plug-and-socket terminal blocks, and plug-in sensor modules enable quick setup and fast replacement without downtime.

Cost-Effective Operation

Engineered for efficiency, the K800 reduces total ownership costs through:

- Common transmitter platform compatible with multiple sensor types
- Intuitive interface that minimizes training requirements
- Modular design that lowers spare parts inventory
- MODBUS multi-drop communication to reduce cabling expenses in large-scale deployments

Whether monitoring a single site or multiple locations, the K800 Fixed Gas Detector delivers reliable performance, enhanced safety, and scalable solutions for industrial environments including refineries, chemical plants, storage facilities, and manufacturing sites.



Nanjing Kelisaikē Safety Equipment Co., Ltd.



+86 25 8719 3262



manager@njklsk.cn



multi-gasdetection.com

Bldg 12, 2 Qingshuiting West Road, Nanjing, Jiangsu, China, 211102