



## K800 Gas Monitor Diffusion Detection Method Lightweight Portable Gas Detector Suitable for Industrial Hazard Monitoring

Our Product Introduction

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### Basic Information

- Place of Origin: CHINA
- Brand Name: KELISAIKE
- Model Number: K800



### Product Specification

- Units: PPM, Vol%, LEL%
- Detection Method: Diffusion, Pump
- Working Principle: EC, Pellistor IR PID
- Model No: K800
- Calibration method: Field Calibration With Test Gas
- Degree Of Protection: IP65
- Outer Case: Aluminum Alloy And Stainless Steel
- Aspiration: Diffusion
- Highlight: portable gas detector for industrial monitoring, K800 diffusion gas monitor, lightweight hazardous gas detector



### More Images



### Product Description:

The K800 Fixed Gas Detector is a highly reliable and efficient device designed to continuously monitor the presence of hazardous gases in various industrial and commercial environments. Engineered with precision and durability, this gas sensor offers outstanding performance for detecting harmful gases, ensuring safety and compliance with regulatory standards. With its advanced features and robust construction, the K800 stands out as an essential tool for maintaining a safe working environment.

One of the key highlights of the K800 Fixed Gas Detector is its aspiration method, which employs diffusion technology. This means the gas enters the sensor naturally without the need for any external pump, allowing for a simpler design and lower maintenance requirements. The diffusion aspiration method ensures quick and accurate detection of gases in the surrounding atmosphere, providing real-time monitoring that is critical for early warning and prevention of hazardous incidents.

The K800 model offers versatile measurement units, including parts per million (PPM), volume percent (Vol%), and lower explosive limit percent (LEL%). This flexibility allows users to tailor the readings according to specific application needs and regulatory requirements. Whether you are measuring toxic gases at low concentrations or monitoring explosive gas levels, the K800 provides precise and reliable data to help you take timely action.

Constructed with an outer case made from a combination of aluminum alloy and stainless steel, the K800 Fixed Gas Detector boasts exceptional durability and resistance to harsh environmental conditions. This rugged casing protects the sensitive internal components from corrosion, impact, and extreme temperatures, making it ideal for use in demanding industrial settings such as chemical plants, refineries, and manufacturing facilities. The robust design ensures long service life and dependable operation, even in the most challenging environments.

In addition to its fixed installation capabilities, the K800 Fixed Gas Detector complements portable gas detectors, providing a comprehensive gas detection solution. While portable gas detectors are used for spot checks and personal safety, the K800 provides continuous area monitoring, making it a perfect partner for maintaining workplace safety on a broader scale. The integration of the K800 with portable gas detectors enhances overall gas detection strategies, ensuring no hazardous gas goes unnoticed.

Specifically designed for the detection of formaldehyde (HCHO) and other toxic gases, the K800 is an excellent HCHO gas detector that addresses the critical need for accurate monitoring of this dangerous compound. Formaldehyde is widely used in various industries but poses significant health risks if not properly controlled. The K800's sensitive gas sensor technology enables early detection of HCHO gas, helping to prevent exposure and protect personnel from its harmful effects.

Operating on a stable and efficient platform, the K800 Fixed Gas Detector delivers consistent performance with minimal maintenance. Its easy installation and user-friendly interface allow for quick deployment and straightforward operation, reducing downtime and operational costs. The device's compatibility with various gas detection systems further enhances its utility, enabling seamless integration into existing safety infrastructures.

In summary, the K800 Fixed Gas Detector is a state-of-the-art gas sensor solution designed to provide accurate, reliable, and continuous monitoring of hazardous gases. Featuring diffusion aspiration, versatile unit measurement options (PPM, Vol%, LEL%), and a durable aluminum alloy and stainless steel outer case, it offers unmatched durability and precision. Ideal for detecting formaldehyde and other dangerous gases, the K800 enhances safety protocols when used alongside portable gas detectors in diverse industrial applications. Invest in the K800 Fixed Gas Detector to ensure a safer, healthier, and compliant working environment.

### Applications:

The KELISAIKE K800 Fixed Gas Detector is a highly reliable and versatile device designed to ensure safety in various industrial and commercial environments. Originating from China, this advanced gas detector operates at a working voltage of 24V DC and employs multiple working principles including Electrochemical (EC), Pellistor, Infrared (IR), and Photoionization Detector (PID) technologies. This combination allows the K800 to accurately detect a wide range of hazardous gases such as H<sub>2</sub>S gas, CL<sub>2</sub> gas, and HCHO gas, making it an essential safety instrument.

One of the primary application occasions for the KELISAIKE K800 gas detector is in chemical manufacturing plants where the presence of toxic gases like H<sub>2</sub>S and CL<sub>2</sub> can pose significant risks to workers' health and safety. The detector's high sensitivity and rapid response capabilities allow for early detection and timely alerts, helping to prevent accidents and ensure compliance with safety regulations. Its IP65 degree of protection ensures that the device remains functional even in dusty or wet environments, which are common in industrial settings.

The K800 model is also ideal for use in oil and gas facilities, including refineries and offshore platforms, where H<sub>2</sub>S gas detection is critical. Its diffusion aspiration method ensures continuous monitoring of ambient air without the need for complex piping systems, and the robust outer case made of aluminum alloy and stainless steel provides excellent durability against harsh environmental conditions. This makes the KELISAIKE K800 a dependable choice for long-term deployment in demanding scenarios.

In addition, the fixed gas detector is widely used in indoor environments such as laboratories, warehouses, and manufacturing workshops where formaldehyde (HCHO) gas may be present due to various industrial processes or material off-gassing. The PID sensor technology incorporated in the K800 model enables precise monitoring of volatile organic compounds like HCHO, contributing to maintaining a safe and healthy workspace.

Overall, the KELISAIKE K800 Fixed Gas Detector is a versatile and sturdy safety solution suitable for numerous scenarios that require continuous monitoring of hazardous gases including H<sub>2</sub>S, CL<sub>2</sub>, and HCHO. Its advanced detection technologies, durable construction, and high protection rating make it an indispensable tool for enhancing workplace safety and environmental monitoring across diverse industries.

### Customization:

At KELISAIKE, we offer comprehensive product customization services for our Fixed Gas Detector, model K800. Manufactured in CHINA, this advanced gas detector operates on multiple working principles including EC, Pellistor, IR, and PID to ensure accurate and reliable detection. With a working voltage of 24V DC, the K800 supports both diffusion and pump detection methods, catering to diverse industrial needs.

Our customization options allow you to tailor the K800 fixed gas detector to your specific requirements, whether you need it as a CO gas detector or integrated with portable gas detector capabilities for enhanced versatility. Although primarily designed as a fixed detector, the K800 can be adapted to complement portable gas detector systems, providing a comprehensive safety solution.

We price our products in USD\$ and strive to deliver high-quality, customizable gas detection solutions that meet the rigorous demands of modern industrial environments. Trust KELISAIKE to provide a fixed gas detector that aligns perfectly with your operational specifications and safety standards.

## Support and Services:

Our Fixed Gas Detector is designed to provide reliable and continuous monitoring of hazardous gas levels in various industrial environments. For technical support, our team of experts is available to assist with installation, calibration, maintenance, and troubleshooting to ensure optimal performance of your device.

We offer comprehensive services including on-site support, routine inspections, and sensor replacement to extend the lifespan of your gas detection system. Our technical documentation and user manuals provide detailed guidance to help you operate the detector safely and effectively.

Regular maintenance and calibration are recommended to maintain accuracy and compliance with safety standards. Please refer to the product manual for specific calibration intervals and procedures.

In case of any technical issues, please consult the troubleshooting section of the manual or contact our support team for further assistance. We are committed to providing timely and professional support to minimize downtime and enhance safety in your operations.

## Packing and Shipping:

### Product Packaging:

The Fixed Gas Detector is securely packaged to ensure safe delivery and protection from damage during transit. Each unit is enclosed in an anti-static bag and cushioned with foam padding inside a sturdy cardboard box. The packaging includes the detector, mounting accessories, user manual, and warranty card. All components are neatly organized to prevent movement and impact.

### Shipping:

Products are shipped using reliable carriers with tracking options available. We offer various shipping methods including standard, expedited, and express delivery to meet customer needs. The Fixed Gas Detector is carefully handled to maintain product integrity, and shipments are typically dispatched within 2-3 business days after order confirmation. International shipping is available with appropriate customs documentation.

## FAQ:

### Q1: What gases can the KELISAIKE K800 Fixed Gas Detector detect?

A1: The KELISAIKE K800 Fixed Gas Detector is capable of detecting a variety of toxic and combustible gases, including but not limited to methane, carbon monoxide, hydrogen sulfide, and oxygen levels.

### Q2: Where is the KELISAIKE K800 Fixed Gas Detector manufactured?

A2: The KELISAIKE K800 Fixed Gas Detector is manufactured in China.

### Q3: How is the KELISAIKE K800 Fixed Gas Detector installed?

A3: The KELISAIKE K800 is designed for easy installation on walls or ceilings in industrial or commercial environments. Installation should be done according to the user manual to ensure optimal gas detection performance.

### Q4: What is the power supply requirement for the KELISAIKE K800?

A4: The KELISAIKE K800 Fixed Gas Detector typically operates on a 24V DC power supply. Please refer to the product specifications for detailed power requirements.

### Q5: Does the KELISAIKE K800 provide real-time gas concentration readings?

A5: Yes, the KELISAIKE K800 Fixed Gas Detector provides continuous, real-time monitoring of gas concentrations and can trigger alarms if dangerous levels are detected.



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