



IP65 Gas Sensor Designed for Diffusion Aspiration Applications Ensuring Accurate Gas Measurement in Industrial Settings

Our Product Introduction

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Basic Information

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



Product Specification

- Aspiration: Diffusion
- Model No: K800
- Currency: USD\$
- Calibration method: Field Calibration With Test Gas
- Working Principle: EC, Pellistor IR PID
- Units: PPM, Vol%, LEL%
- Degree Of Protection: IP65
- Working Voltage: 24V DC
- Highlight: IP65 gas sensor for industrial use, diffusion aspiration gas detector, fixed gas detector with accurate measurement



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Product Description:

The K800 Fixed Gas Detector is a highly reliable and efficient gas detection solution designed to provide continuous monitoring of hazardous gases in various industrial environments. As a state-of-the-art multi gas detector, the K800 offers exceptional performance in detecting a wide range of gases, making it an essential tool for ensuring workplace safety and preventing gas-related accidents. This fixed gas detector is engineered to deliver accurate and real-time gas concentration readings, helping to safeguard personnel, equipment, and facilities from the dangers of toxic and combustible gases.

One of the standout features of the K800 Fixed Gas Detector is its versatile detection capabilities. It supports multiple units of measurement, including PPM (parts per million), Vol% (volume percent), and LEL% (lower explosive limit percent), allowing it to precisely monitor gas levels according to the specific requirements of different industrial applications. This flexibility makes the K800 ideal for detecting gases such as oxygen, carbon monoxide, hydrogen sulfide, methane, and other combustible or toxic gases, ensuring comprehensive coverage in various hazardous environments.

The K800 employs advanced detection methods, including both diffusion and pump sampling techniques. The diffusion method allows gases to naturally diffuse into the sensor, providing a passive and energy-efficient detection approach. Meanwhile, the pump method actively draws gas samples into the sensor, enabling rapid and accurate detection even in hard-to-reach or confined spaces. This dual detection method capability ensures that the K800 can be effectively deployed in a wide range of settings, from open industrial plants to enclosed areas where gas accumulation may pose significant risks.

Calibration is a critical aspect of maintaining the accuracy and reliability of any gas detection device. The K800 Fixed Gas Detector is designed with user-friendly field calibration using test gas, allowing for straightforward and efficient calibration procedures without the need to remove the device from its installation point. This feature not only simplifies maintenance but also ensures that the detector consistently provides precise readings, thereby enhancing safety and compliance with industry standards.

As a fixed gas detector, the K800 is intended to be installed in strategic locations where gas leaks or hazardous gas concentrations are most likely to occur. Unlike portable gas detectors, which are carried by personnel for spot checks, the K800 offers continuous and automated monitoring, providing instant alerts in case of gas leakage or dangerous gas levels. This makes it an indispensable part of any comprehensive gas detection system, significantly reducing the risk of accidents and enabling prompt emergency response.

The K800's robust construction and reliable performance make it suitable for a variety of industries, including oil and gas, chemical manufacturing, mining, wastewater treatment, and confined space monitoring. Its ability to detect multiple gases simultaneously and provide accurate, real-time data ensures that facility managers and safety personnel can maintain a safe working environment and comply with regulatory requirements.

In summary, the K800 Fixed Gas Detector is a cutting-edge, multi gas detector solution that combines advanced detection technology, flexible measurement units, and easy field calibration to deliver superior gas monitoring performance. Whether you need to monitor combustible gases in a refinery, toxic gases in a chemical plant, or ensure oxygen levels in confined spaces, the K800 stands out as a dependable and efficient gas leakage detector. Its fixed installation design complements portable gas detectors by providing constant surveillance, making it an essential component in any comprehensive gas safety strategy. Invest in the K800 Fixed Gas Detector to protect your workforce, equipment, and facilities from the dangers of hazardous gases with confidence and precision.

Applications:

The KELISAIKE K800 Fixed Gas Detector is a highly reliable and versatile device designed for continuous monitoring of various hazardous gases in industrial and commercial environments. Originating from CHINA, this advanced gas sensor integrates multiple working principles such as EC (Electrochemical), Pellistor, IR (Infrared), and PID (Photoionization Detector), ensuring accurate detection of gases like chlorine (CL₂), carbon monoxide (CO), and combustible gases. With a working voltage of 24V DC and a robust IP65 degree of protection, the K800 model is built to withstand harsh conditions, making it ideal for diverse application occasions and scenarios.

In chemical processing plants, the KELISAIKE K800 CL₂ gas detector plays a critical role in safeguarding personnel and equipment by providing early warnings of chlorine gas leaks, which are highly toxic and pose significant health risks. Its precise gas sensor capabilities ensure that even minute concentrations are detected promptly in units of PPM, Vol%, or LEL%, allowing for timely intervention and hazard mitigation.

Manufacturing facilities that utilize combustion processes benefit immensely from the K800 CO gas detector variant, which continuously monitors carbon monoxide levels to prevent poisoning and ensure compliance with safety regulations. The device's integration of EC and Pellistor technologies provides reliable detection of both toxic and combustible gases, making it indispensable in environments where gas leaks could lead to explosions or health hazards.

Oil and gas industries also rely on the KELISAIKE K800 fixed gas detector for monitoring volatile organic compounds and other hazardous gases using its IR and PID working principles. The detector's IP65 rating guarantees protection against dust and water ingress, allowing it to function effectively in outdoor installations, refineries, and pipelines where exposure to harsh elements is common.

Additionally, the K800 model is suitable for use in confined spaces such as underground tunnels, mines, and storage tanks, where dangerous gas concentrations need to be continuously monitored to ensure worker safety. Its ability to display measurements in PPM, Vol%, and LEL% units provides flexibility to meet diverse monitoring requirements across various industries.

Overall, the KELISAIKE K800 Fixed Gas Detector is an essential safety instrument in any setting where gas hazards are present. Its combination of advanced sensing technologies, durable construction, and precise measurement units makes it a trusted choice for monitoring chlorine, carbon monoxide, and other hazardous gases, thereby protecting lives and property in a wide range of application occasions and scenarios.

Customization:

The KELISAIKE K800 Fixed Gas Detector is a versatile and reliable gas sensor designed for various industrial applications. Originating from China, this device operates on multiple working principles including EC, Pellistor, IR, and PID, ensuring accurate detection of hazardous gases such as CL₂ and HCHO. The K800 supports field calibration with test gas, allowing for convenient maintenance and long-term reliability.

Equipped with diffusion and pump detection methods, the K800 offers flexible aspiration options to suit different environments. It provides readings in multiple units including PPM, Vol%, and LEL%, making it suitable for precise monitoring of gas concentrations. This fixed gas detector is ideal for users seeking a high-performance CL₂ gas detector or HCHO gas detector with advanced gas sensor technology. With its robust design and customizable features, the KELISAIKE K800 ensures safety and efficiency in gas detection tasks, making it an excellent choice for industrial safety systems.

Support and Services:

Our Fixed Gas Detector product comes with comprehensive technical support and services to ensure optimal performance and reliability. We offer expert installation guidance, routine maintenance schedules, and calibration services to keep your gas detection systems functioning accurately. Our technical support team is available to assist with troubleshooting, system integration, and software updates. Additionally, we provide detailed user manuals and training resources to help your staff operate and maintain the detectors effectively. For warranty and repair services, we commit to prompt and efficient handling to minimize downtime. Trust our dedicated support to safeguard your environment with continuous and dependable gas detection solutions.

Packing and Shipping:

Product Packaging: The Fixed Gas Detector is securely packaged in a sturdy, impact-resistant box to ensure protection during transit. Inside the box, the device is cushioned with foam inserts to prevent any movement or damage. The packaging includes the Fixed Gas Detector unit, a user manual, mounting accessories, and a calibration certificate.

Shipping: The Fixed Gas Detector is shipped via reliable courier services with tracking options available. Each package is carefully labeled with handling instructions and shipping details. For international orders, all necessary customs documentation is provided to ensure smooth delivery. Standard shipping times apply, with expedited options available upon request.

FAQ:

Q1: What is the brand and model of this fixed gas detector?

A1: The fixed gas detector is from the brand KELISAIKE, and the model number is K800.

Q2: Where is the KELISAIKE K800 fixed gas detector manufactured?

A2: The KELISAIKE K800 fixed gas detector is made in China.

Q3: What types of gases can the KELISAIKE K800 detect?

A3: The K800 model is designed to detect a variety of hazardous gases, including combustible gases, toxic gases, and oxygen levels. Please refer to the product specifications for the exact gases supported.

Q4: How is the K800 fixed gas detector installed?

A4: The K800 is a fixed gas detector that is typically mounted on walls or ceilings in areas where gas monitoring is required. Installation should follow the user manual guidelines or be performed by a qualified technician.

Q5: Does the KELISAIKE K800 provide real-time gas monitoring?

A5: Yes, the K800 fixed gas detector offers continuous real-time monitoring and alerts users immediately if gas concentrations exceed preset safety levels.



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