



K800 Fixed Gas Detector Providing LEL Percentage Measurement USD Currency Designed for Detection of Hazardous Gases in Industry

Our Product Introduction

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

Basic Information

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



Product Specification

- Working Voltage: 24V DC
- Working Principle: EC, Pellistor IR PID
- Degree Of Protection: IP65
- Outer Case: Aluminum Alloy And Stainless Steel
- Currency: USD\$
- Calibration method: Field Calibration With Test Gas
- Model No: K800
- Detection Method: Diffusion, Pump
- Highlight: **fixed gas detector with LEL measurement, industrial hazardous gas detector, USD priced fixed gas detector**



More Images



Product Description:

The Fixed Gas Detector is an advanced and reliable device designed to ensure the safety and monitoring of various hazardous gases in industrial and commercial environments. Engineered with precision and robustness, this detector is capable of accurately measuring gas concentrations in multiple units including PPM (parts per million), Vol% (volume percent), and LEL% (lower explosive limit percent), making it versatile for a wide range of applications.

One of the standout features of this Fixed Gas Detector is its high degree of protection, rated at IP65. This rating guarantees that the device is dust-tight and protected against low-pressure water jets from any direction, ensuring consistent performance even in harsh and challenging environments. Its durable and rugged construction makes it suitable for installation in factories, warehouses, chemical plants, and other industrial settings where gas hazards are a concern.

The detector operates on a working voltage of 24V DC, which is standard and widely compatible with most industrial power supply systems. This ensures stable power input and reliable operation without frequent interruptions or power-related issues. Its efficient power consumption also contributes to cost-effective long-term use, making it an economical choice for continuous gas monitoring.

The Fixed Gas Detector employs multiple working principles to accurately identify and quantify different types of gases. These include Electrochemical (EC) sensors, Pellistor sensors, Infrared (IR) sensors, and Photoionization Detectors (PID). Each technology is selected based on the specific gas detection requirements, providing highly sensitive and accurate readings. For example, the Electrochemical sensor is ideal for detecting toxic gases such as carbon monoxide and hydrogen sulfide, while Pellistor sensors are used for combustible gases. IR sensors excel in detecting gases like CO₂ and hydrocarbons, and PID sensors are particularly effective for volatile organic compounds (VOCs) such as formaldehyde.

The detection method of the Fixed Gas Detector includes both diffusion and pump types. The diffusion method allows gases to naturally enter the sensor, making it suitable for environments where gas concentrations change gradually. On the other hand, the pump method actively draws air into the sensor, enabling faster and more accurate sampling in environments with fluctuating or low gas concentrations. This dual detection approach enhances the versatility and responsiveness of the detector.

In addition to its fixed installation design, this product is compatible with portable gas detector units, enabling seamless integration into comprehensive gas monitoring systems. The incorporation of a HCHO gas detector capability highlights its specialization in detecting formaldehyde, a hazardous VOC commonly found in industrial and indoor environments. This makes it an essential tool for industries such as manufacturing, chemical processing, and environmental monitoring where formaldehyde exposure is a concern.

Furthermore, the Fixed Gas Detector can work alongside portable gas detectors, providing a flexible safety solution. Portable gas detectors are invaluable for on-the-go monitoring and personal safety, while fixed detectors provide continuous surveillance of specific areas. Together, they create a robust safety network that ensures immediate detection and warning of gas leaks or hazardous conditions. Overall, the Fixed Gas Detector is a comprehensive, reliable, and efficient solution for gas detection needs. Its multiple sensing technologies, robust protection, flexible detection methods, and compatibility with portable gas detector units make it a top choice for industries prioritizing safety and environmental monitoring. Whether you require detection of combustible gases, toxic gases, or specific compounds such as formaldehyde, this fixed gas detector delivers accurate, real-time data to help prevent accidents and maintain workplace safety.

Applications:

The KELISAIKE K800 Fixed Gas Detector is a highly reliable and efficient solution designed to ensure safety in various industrial and commercial environments. Originating from China, this advanced fixed gas detector operates with a working voltage of 24V DC and features a robust IP65 degree of protection, making it suitable for harsh and demanding conditions. Its diffusion aspiration method allows for continuous monitoring of gas concentrations, providing real-time alerts to prevent hazardous situations.

This fixed gas detector is widely used for detecting harmful gases such as hydrogen sulfide (H₂S) and chlorine (CL₂), making it an essential safety device in industries where these gases pose significant risks. The K800 model is particularly valued for its field calibration capability using test gas, ensuring accurate and consistent performance without the need for complex laboratory procedures. This feature simplifies maintenance and enhances operational reliability.

Typical application occasions for the KELISAIKE K800 H₂S gas detector and CL₂ gas detector include chemical plants, wastewater treatment facilities, oil and gas refineries, and manufacturing plants. In these environments, the presence of toxic gases like hydrogen sulfide and chlorine can lead to severe health hazards or even fatal accidents. Installing the K800 fixed gas detector helps in early detection and timely response, safeguarding both personnel and equipment.

Moreover, the K800 is ideal for confined spaces, underground tunnels, and storage areas where gas leaks may go unnoticed without continuous monitoring. The device's IP65 rating ensures it is dust-tight and protected against water jets, making it suitable for outdoor installations or environments with heavy dust and moisture. Its durable design and reliable performance make it a preferred choice for industries looking to comply with stringent safety regulations and standards.

In summary, the KELISAIKE K800 Fixed Gas Detector is a critical safety instrument for detecting H₂S and CL₂ gases in various industrial scenarios. Its ease of calibration, robust protection, and dependable diffusion aspiration technology combine to provide a trustworthy gas detection solution that enhances workplace safety and environmental protection. Available at a competitive price in USD\$, it represents an excellent investment for any facility requiring continuous gas monitoring and hazard prevention.

Customization:

The KELISAIKE K800 Fixed Gas Detector offers comprehensive product customization services to meet diverse industrial needs. Originating from CHINA, this advanced gas sensor utilizes multiple working principles including EC, Pellistor, IR, and PID to ensure precise and reliable gas detection. With a working voltage of 24V DC and a diffusion aspiration method, the gas detector is designed for efficient performance in various environments.

Our customization options extend to the durable outer case, crafted from high-quality aluminum alloy and stainless steel, providing excellent protection with an IP65 degree of protection rating. Whether you require specific sensor types, calibration settings, or mounting configurations, the KELISAIKE K800 gas sensor can be tailored to fit your unique application requirements.

Trust in KELISAIKE's expertise to deliver a fixed gas detector solution that seamlessly integrates advanced gas sensor technology with robust construction, ensuring safety and accuracy in gas detection across your facilities.

Support and Services:

Our Fixed Gas Detector product is backed by comprehensive technical support and services to ensure optimal performance and reliability. We offer expert guidance for installation, calibration, and maintenance to help you achieve accurate gas detection tailored to your specific application needs.

Our technical support team is available to assist with troubleshooting, system integration, and software updates, ensuring your gas detection system operates seamlessly. We provide detailed user manuals, training sessions, and on-site support to empower your team with the knowledge required for effective operation and safety compliance.

Regular maintenance services, including sensor replacement and system diagnostics, are available to prolong the lifespan of your Fixed Gas Detector and maintain high sensitivity and accuracy. We are committed to delivering timely support and quality service to minimize downtime and enhance workplace safety.

Whether you require assistance during the initial setup or ongoing operational support, our dedicated technical services are designed to maximize the value and reliability of your Fixed Gas Detector investment.

Packing and Shipping:

Product Packaging:

The Fixed Gas Detector is securely packaged in a sturdy, custom-designed box to ensure protection during transit. Inside the box, the detector is cushioned with foam inserts to prevent any damage from shocks or vibrations. The package includes the Fixed Gas Detector unit, mounting accessories, user manual, and warranty card, all neatly arranged for easy access.

Shipping:

All Fixed Gas Detector orders are carefully inspected before shipment to guarantee quality and functionality. We offer multiple shipping options to meet your delivery needs, including standard, expedited, and express services. Each package is labeled clearly with handling instructions to ensure safe delivery. Tracking information will be provided once the order is dispatched, allowing you to monitor the shipment status until it arrives at your specified location.

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 gases including combustible gases, toxic gases, and oxygen levels. Please refer to the product manual for the specific gases supported.

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 installed?

A3: The K800 model is designed for fixed installation in industrial environments. It can be mounted on walls or pipes using the provided mounting accessories. Installation should be performed by qualified personnel following the user manual guidelines.

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

A4: The KELISAIKE K800 Fixed Gas Detector typically requires a 24V DC power supply. Please check the product specifications for detailed power requirements.

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

A5: Yes, the KELISAIKE K800 offers continuous real-time monitoring of gas concentrations and provides immediate alerts if dangerous gas levels are detected.



Nanjing Kelisaike Safety Equipment Co., Ltd.



+86 25 8719 3262



manager@njklsk.cn



multi-gasdetection.com

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