



Response Time Less Than 30 Seconds H2S Gas Detector Offering 4-20mA Signal for and Accurate Toxic Gas Detection Systems

Our Product Introduction

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Basic Information

- Place of Origin: CHINA
- Brand Name: KELISAIKE
- Model Number: K60



Product Specification

- Zero Drift: $\leq \pm 1\%$ (F.S/year)
- Origin: China
- Sampling Type: Diffusion
- Applicable Gas: Oxygen, Toxic Gas combustible Gas
- Range: 0-100/200/1000/5000ppm, LEL, VOL
- Response Time: < 30 Seconds
- Signal: 4-20mA, RS485, Relay, HART
- Ambient Environment: -20C To 50 ,5-90%RH(No Condensing)
- Highlight: **H2S gas detector with 4-20mA signal, portable toxic gas detection system, fast response H2S gas monitor**



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Product Description:

The Portable Gas Detector is a highly reliable and versatile device designed to ensure safety in environments where hazardous gases may be present. Engineered with advanced technology, this gas detector is capable of accurately monitoring a range of gases, including oxygen, toxic gases, and combustible gases, making it an essential tool for industrial safety, environmental monitoring, and emergency response.

One of the key features of this Portable Gas Detector is its multiple signal output options, which include 4-20mA, RS485, Relay, and HART communication protocols. These signal types provide seamless integration with existing control systems and facilitate real-time monitoring and data transmission. The inclusion of HART protocol, in particular, allows for enhanced diagnostics and device management, ensuring that users can maintain optimal performance and quickly respond to any detected hazards.

This product is suitable for detecting various gases, including oxygen levels, toxic gases such as hydrogen sulfide (H2S), and combustible gases. Its versatility makes it an excellent choice for different industrial applications, including chemical plants, oil and gas facilities, mining operations, and confined space entry. The device's capability to detect H2S gas specifically makes it a trusted H2S Gas Detector, providing critical safety alerts in environments where this toxic gas is a concern.

Built to withstand challenging ambient conditions, the Portable Gas Detector operates effectively within a temperature range of -20°C to 50°C and can handle relative humidity levels from 5% to 90% without condensation. This robust environmental tolerance ensures reliable performance in a wide variety of working conditions, from cold outdoor locations to humid industrial sites.

Originating from China, this gas detector is manufactured with strict quality control standards to guarantee durability and precision. It features a zero drift specification of $\pm 1\%$ (Full Scale per year), which means that the sensor maintains its calibration over time, reducing the need for frequent maintenance and recalibration. This stability is crucial for ensuring continuous safety monitoring without interruption.

The Portable Gas Detector utilizes state-of-the-art gas sensors that provide fast response times and high sensitivity to gas concentration levels. These gas sensors are at the heart of the device's detection capabilities, offering accurate and reliable readings that help prevent hazardous situations before they escalate. In addition to portability, the device can also serve as a Fixed Gas Detector when installed in strategic locations, offering continuous monitoring and early warning of gas leaks or dangerous atmospheric conditions.

In summary, this Portable Gas Detector is an indispensable safety instrument equipped with versatile signal outputs such as 4-20mA, RS485, Relay, and HART, capable of detecting oxygen, toxic gases like H2S, and combustible gases. Its robust design allows operation in a wide range of ambient environments, and its low zero drift ensures long-term reliability. Combining advanced gas sensors with flexible deployment options, this device is an excellent choice for anyone seeking dependable and efficient gas detection solutions.

Features:

- Product Name: Portable Gas Detector
- 4 In 1 Gas Detector capable of detecting Oxygen, Toxic Gas, and Combustible Gas
- Gas Detector Sensor with diffusion sampling type for accurate gas monitoring
- Suitable for ambient environment from -20°C to 50°C, 5-90% RH (No Condensing)
- Signal Output Options: 4-20mA, RS485, Relay, and HART
- Fast Response Time: less than 30 seconds
- Reliable Gas Leak Detector for safety and industrial applications

Technical Parameters:

Ambient Environment	-20 to 50 ; 5-90%RH (No Condensing)
Signal	4-20mA, RS485, Relay, HART
Sampling Type	Diffusion
Applicable Gas	Oxygen, Toxic Gas, Combustible Gas
Zero Drift	$\leq \pm 1\%$ (F.S/year)
Origin	China
Range	0-100/200/1000/5000ppm, LEL, VOL
Response Time	< 30 Seconds

Applications:

The KELISAIKE K60 Portable Gas Detector, originating from China, is a highly reliable and efficient device designed to detect various gases including oxygen, toxic gases, and combustible gases. With a rapid response time of less than 30 seconds, this Industrial Gas Leak Detector ensures timely alerts to prevent hazardous situations in diverse environments. Its advanced signal outputs, including 4-20mA, RS485, Relay, and HART, allow seamless integration into existing industrial monitoring systems, enhancing safety protocols and operational efficiency.

This Industrial Gas Leak Detector is ideal for use in multiple application occasions and scenarios. In industrial manufacturing plants, where combustible and toxic gases are commonly present, the K60 provides continuous monitoring to detect leaks and prevent potential explosions or health hazards. Chemical processing facilities benefit greatly from the device's precise detection capabilities, ensuring that oxygen levels and toxic gas concentrations are maintained within safe limits to protect workers and equipment.

The KELISAIKE K60 is also indispensable in confined spaces such as tunnels, mines, and storage tanks, where gas accumulation can pose serious risks. Its portability allows safety personnel to quickly assess gas levels on-site, providing immediate readings and alerts. Additionally, the device is well-suited for use in power plants, refineries, and oil & gas industries, where industrial gas leak detection is critical for maintaining safe operational conditions.

Thanks to its low zero drift of $\leq \pm 1\%$ (F.S./year), the K60 maintains high accuracy over time, minimizing the need for frequent recalibration and ensuring consistent performance. Whether used for routine safety inspections, emergency response, or continuous monitoring, this Industrial Gas Leak Detector from KELISAIKE delivers dependable protection across a wide range of industrial environments.

Customization:

KELISAIKE offers comprehensive product customization services for the Portable Gas Detector, model K60, designed and manufactured in China. Our Gas Detection Controller can be tailored to meet specific industrial needs, ensuring precise monitoring with a zero drift of $\leq \pm 1\%$ (F.S./year) and a rapid response time of less than 30 seconds. The K60 model supports a wide detection range of 0-100/200/1000/5000ppm, LEL, and VOL, making it highly versatile for various applications.

We specialize in customizing Combined Gas Detectors that can simultaneously detect oxygen, toxic gases, and combustible gases, providing reliable and continuous safety monitoring. Whether you require a Combustible Gas Detector or a multi-gas detection solution, KELISAIKE's customization options ensure optimal performance tailored to your specific gas detection requirements.

Our Portable Gas Detector K60 is engineered with advanced technology from China, guaranteeing durability and accuracy in harsh environments. Contact us to customize your gas detection system and enhance workplace safety with KELISAIKE's expert solutions.

Support and Services:

Our Portable Gas Detector is designed to provide reliable and accurate detection of various hazardous gases in industrial and commercial environments. For technical support, please refer to the user manual included with your device, which contains detailed instructions on operation, calibration, and maintenance procedures.

For optimal performance, regularly inspect your gas detector for any signs of damage and ensure the sensors are clean and unobstructed. Calibration is recommended at regular intervals to maintain accuracy, and this can be performed using certified calibration gas kits compatible with your model.

If you encounter any issues with your Portable Gas Detector, first try resetting the device according to the troubleshooting section in the manual. Should problems persist, consult the FAQ section on our website for additional guidance and common solutions.

We offer comprehensive repair and maintenance services through authorized service centers. Our technicians are trained to handle sensor replacements, firmware updates, and any necessary repairs to extend the life of your device.

To ensure safety and compliance, always use original accessories and replacement parts recommended by the manufacturer.

Unauthorized modifications or use of incompatible components may affect device performance and void the warranty.

For further assistance, additional resources such as instructional videos, software updates, and detailed technical documents are available on our support portal.

Packing and Shipping:

Our Portable Gas Detector is carefully packaged to ensure it arrives in perfect condition. Each unit is securely enclosed in a durable, custom-fit foam insert within a sturdy cardboard box to protect against shocks and impacts during transit.

The packaging includes the Portable Gas Detector device, a rechargeable battery, a user manual, a calibration certificate, and a USB charging cable. All accessories are neatly organized to prevent damage and loss.

For shipping, we use reliable courier services with tracking options to guarantee timely and safe delivery. The product is shipped in eco-friendly, recyclable materials to minimize environmental impact.

We recommend inspecting the package upon arrival and contacting our customer support immediately if there are any issues with the product or packaging.

FAQ:

Q1: What gases can the KELISAIKE K60 Portable Gas Detector detect?

A1: The KELISAIKE K60 Portable Gas Detector is capable of detecting multiple gases including combustible gases, oxygen levels, carbon monoxide, and hydrogen sulfide.

Q2: Where is the KELISAIKE K60 Portable Gas Detector manufactured?

A2: The KELISAIKE K60 is proudly made in China, ensuring quality and reliability.

Q3: How long does the battery last on the KELISAIKE K60 Portable Gas Detector?

A3: The KELISAIKE K60 offers a battery life of up to 12 hours under continuous use, making it suitable for extended monitoring periods.

Q4: Is the KELISAIKE K60 Portable Gas Detector easy to carry and use in the field?

A4: Yes, the KELISAIKE K60 is designed to be compact and lightweight, making it highly portable and user-friendly for field applications.

Q5: Does the KELISAIKE K60 provide real-time gas concentration readings?

A5: Yes, the K60 model provides accurate real-time readings with an easy-to-read display, allowing users to monitor gas levels effectively.



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