K60B Compact Single Gas Detector by KELISAIKE Safety LCD Screen & 90dB Audible Alarm

Our Product Introduction

Basic Information

- Minimum Order Quantity: 1
- Price: USD 100
- Stock: In stock 99pcs
- Description: KELISAIKE K60B Portable Single Gas Detector – 120 g, electrochemical sensor, LCD, 90 dB audio/visual/vibration alarm.
- Payment Terms: T/T

Product Specification

- Product Name: Portable Gas Detector
- Gas Type: Single Gas (e.g., Oxygen, CO, H2S, Combustible Gas)
- Display: LCD Screen For Real-Time Gas Concentration
- Alarm: 90 DB Audible Alarm With Visual And Vibrating Alerts
- Detection Range: Wide Measurement Range Depending On Gas Type
- Power Source: Rechargeable Battery With Long Battery Life
- Highlight: **Audible Alarm Single Gas Detector**, **90dB Single Gas Detector**, **LCD screen Single Gas Detector**

More Images

Product Description

K60B PROTABLE GAS DETECTOR

The **K60B Series** combines cutting-edge gas detection performance with a compact, ultra-lightweight design—weighing no more than 120 grams. Engineered for demanding industrial environments, it features a high-quality electrochemical sensor that delivers fast, accurate gas concentration readings, clearly displayed on a bright, backlit LCD screen for easy viewing in any lighting condition.

To ensure maximum safety, the K60B is equipped with a**triple-alert system**: a loud 90 dB audible buzzer, a strong vibration motor, and a high-visibility red LED strobe. This ensures that alarms are immediately noticed, even in high-noise or low-visibility areas such as construction sites, tunnels, or confined spaces.

Additional safety features include a **low-battery warning** that alerts users before power loss, and an**explosion-proof housing** designed to withstand harsh, hazardous environments. Compact yet robust, the K60B is an ideal personal safety device for professionals working in oil and gas, chemical, mining, firefighting, and other high-risk industries—providing reliable protection wherever toxic or combustible gases may pose a threat.

Key Features of the K60B Series:

High-Performance Electrochemical Sensor
Equipped with a world-class electrochemical sensor, the K60B offers high sensitivity and excellent repeatability, ensuring fast and accurate detection of target gases, even at low concentrations.

Compact and Ergonomic Design
Designed for user comfort and convenience, the K60B features a compact footprint and single-button operation. Its lightweight, clip-on design allows for easy attachment to clothing, belts, or pockets—perfect for mobile professionals in the field.

Triple Alarm System: Sound, Light, and Vibration
The integrated alarm system provides a 90 dB buzzer, strong vibration, and bright red LED light—guaranteeing that warnings are immediately noticed, even in noisy, dark, or confined environments where hearing protection is used.

Bright and Intuitive LCD Display
A clear 2+2-digit LCD screen shows real-time gas concentrations, with an adjustable backlight for visibility in all lighting conditions. Simple interface design minimizes user training and maximizes efficiency.

Rugged and Reliable Housing (IP Rated)
Built for tough industrial environments, the K60B features a shock-resistant and splash-proof enclosure that protects against physical impacts, dust, and moisture. Ideal for use in construction sites, chemical plants, and other demanding workplaces.

Long-Lasting Rechargeable Li-ion Battery
Powered by a 3.7V lithium-ion battery, the device offers a typical service life of up to two years. A USB charger is included for convenient recharging, reducing downtime and operating costs.

Optional Wireless Connectivity
For enhanced data management, optional Bluetooth® modules are available to enable mobile app pairing and cloud-based data uploads, supporting real-time monitoring and record keeping.

Globally Certified for Safety
CE-certified to meet international safety standards, the K60B ensures dependable performance and regulatory compliance across global markets.

K60 Portable Single Gas Detector

UK sensors (brands CITY, Alphasense, Dynament etc.), US (brand Honeywell), Japanese and German sensors, ensuring high stability& sensitivity

CE/ ATEX approved. Gas detectors are approved under the ATEX directive.

- **Applicable in harsh environments:** -4 °F to 122°F (-20°C – +50°C), 0 – 95% RH, non-condensing (anti-splash)
- **IP66 Ingress Protection:** compact and durable body design, wider application environments

Ultra-strong battery: Japanese battery, ensuring 10 months working time

- **High response speed:** Specially designed main board for industrial use; 10+ years professional engineering team for technical solutions
- **OBM/ ODM/ OEM Service:** with over 14 years experience, specializing in gas detectors.

Typical Applications
Confined-space entry & underground pipelines
Mining, petrochemical, and tank farms
Emergency response and toxic-gas leak monitoring
Any Zone 1/Zone 2 or Class I Div 1 hazardous area
With the K60B Series, continuous monitoring and instant alarms help you keep workers safe and processes uninterrupted—anytime, anywhere hazardous gases may be present

Item:	portable single gas detector
Model NO.:	**K60B**
Sensors:	high sensitivity imported sensors
Sensor service life:	2 years
Operating voltage:	3.7V Rechargeable lithium battery(standard)/ 3V No-Rechargeable lithium battery(optional)
Display:	LCD display
Alarm buzzer:	90db
Alarm mode:	acousto optic alarm
Ambient temperature:	- 20 ° C ~ + 50 ° C
Relative humidity:	15~90%RH(non condensation)
Material:	ABS, slip silicone
Detecting method:	diffusion
Dimension(mm):	109×56×38mm
Explosion-proof grade:	ExdII CT3
Weight :	120g
Package:	**carton**
Pcs/ctn:	**1pc/ctn**
Ctn size:	**150x105x47mm**
Payment terms:	**T/T**
Warranty:	**1 year**
Mark: other customized gas types are also available.	

Gas Types	Detection range	Response Time	Resolution	Alarm Values
O_2	0-25%vol/30%vol	T90≤20s	0.1%vol	18.0%vol/23.0%vol
LEL	0-100%LEL	T90≤30s	1%LEL	25.0%LEL/50.0%LEL
CO	0-1000 ppm/2000ppm	T90≤30s	1 ppm	50ppm/100ppm
H_2S	0-200 ppm	T90≤30s	0.1 ppm	10ppm/20ppm
SO_2	0-200ppm	T90≤30s	0.1 ppm	2 ppm /10 ppm
Cl_2	0-20 ppm	T90≤30s	0.1 ppm	1 ppm /10 ppm
NH_3	0-100ppm/200ppm	T90≤50s	1 ppm	25 ppm /50 ppm
NO_2	0-200ppm	T90≤25s	0.1 ppm	3 ppm /10 ppm
NO	0-1000 ppm	T90≤50s	1 ppm	25 ppm /50 ppm
O_3	0-5ppm/20ppm	T90≤30s	0.1ppm	0.3ppm/5ppm
PH_3	0-10ppm	T90≤60s	0.1ppm	0.3ppm/5ppm
H_2	0-2000ppm/4%vol	T90≤50s	1 ppm	50ppm /100ppm
HF	0-10ppm	T90≤50s	0.1ppm	3ppm /10ppm
HCL	0-30ppm/200ppm	T90≤50s	0.1 ppm	5ppm /10ppm
HCN	0-200ppm	T90≤200s	0.1ppm	10 ppm /20 ppm
CH_4 (IR)	0-5.00%vol	T90≤60s	0.01%vol	1.00%vol/2.00%vol
VOCs	0-1999ppm	T90≤20s	0.1ppm	1000ppm/1500ppm
CO_2(IR)	0-5.00%vol (0-1%vol)	T90≤60s	0.01%vol (0.001%vol)	1.00%vol/2.00%vol (customize)

C$_3$H$_8$(IR)	0-5.00%vol	T90≤60s	0.01%Vol	1.00%vol/2.00%vol
HCN	0-50ppm	T90≤200s	0.1ppm	10ppm/20ppm