



## Portable Nh3 Gas Detector Co O2 Gas Smart Detectors Alarm Sensor

### Our Product Introduction

#### Basic Information

- Minimum Order Quantity: 1
- Price: USD 100
- Stock: In stock 99 pcs
- Description: KELISAIKE K60B Compact Gas Detector – Lightweight at 120 g, with electrochemical sensor, clear LCD, and 90 dB triple ala
- Payment Terms: T/T



#### Product Specification

- Product Name: Gas Detector
- Alarm Type: Audible
- Method Of Detection: Diffusion Or Pump
- Trademark: KELISAIKE Safety
- Protection Grade: IP66/IP67
- Test Item: O2/CO
- Highlight: O2 Gas Smart Detectors, Co Gas Smart Detectors, Portable Smart Gas Detectors



#### More Images



### Product Description

#### K60B PORTABLE GAS DETECTOR

Built for the most demanding industrial environments, the KELISAIKE SAFETY K60B portable gas detector delivers dependable protection where safety is critical. Whether in mining tunnels, oil rigs, or other hazardous job sites, the K60B is engineered to withstand harsh conditions. Its rugged construction features enhanced shock resistance and superior water sealing, ensuring optimal performance even in wet, dusty, or physically demanding environments. Designed to operate reliably in extreme scenarios, it provides continuous gas monitoring without compromise.

Equipped with a high-precision electrochemical sensor, the K60B offers fast and accurate detection of hazardous gases, helping to safeguard workers from potential exposure. In the event of danger, the device activates a powerful 100 dB audible alarm and a high-intensity strobe light to ensure immediate awareness—crucial for noisy or low-visibility worksites. Compact, durable, and easy to operate, the K60B is not just a tool—it's a trusted safety companion for professionals operating in high-risk industries.



#### Key Features:

**Rugged Industrial Housing:** Designed for harsh worksites, the K60B features a durable, shock-absorbing casing and IP68-rated protection, ensuring full resistance to dust ingress and long-term submersion in water. Built to handle repeated drops and daily rough handling.

**Multi-Channel Alert System:** Equipped with a 100 dB high-decibel buzzer, dual ultra-bright LED warning lights, and a powerful vibration motor, the K60B ensures immediate alerting—even in the noisiest, darkest, or most chaotic conditions.

**High-Performance Sensor Technology:** Utilizing advanced electrochemical detection elements, the device offers rapid T90 response times for real-time threat identification and faster protective action.

**Flexible Alarm Settings:** Users can configure high and low alarm thresholds to meet the specific safety and regulatory requirements of different industries, making it ideal for compliance-driven environments.

**Quick Maintenance Design:** No tools needed—battery and sensor modules can be accessed and replaced within seconds, reducing downtime and simplifying field servicing.

#### K60 Portable Single Gas Detector





**UK sensors (brands CITY, Alphasense, Dynamant 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.

### Common Applications

Monitoring confined-space entries and underground pipeline systems where gas accumulation poses significant risks  
Ensuring safety in mining operations, petrochemical plants, and large-scale tank farms with volatile substances  
Supporting emergency responders by providing rapid detection of toxic gas leaks during critical incidents  
Suitable for use in hazardous classified environments including Zone 1, Zone 2, and Class I Division 1 locations, where explosive or flammable gases may be present

The K60B Series enables continuous, real-time gas detection combined with immediate alarm notification, empowering industries to protect personnel and maintain seamless operations. Wherever hazardous gases exist, this reliable device serves as a vital safeguard, ensuring safety and compliance around the clock.

|                        |  |
|------------------------|--|
| 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)/<br>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 <sub>2</sub>                     | 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 <sub>2</sub> S                   | 0-200 ppm            | T90≤30s       | 0.1 ppm                 | 10ppm/20ppm                      |
| SO <sub>2</sub>                    | 0-200ppm             | T90≤30s       | 0.1 ppm                 | 2 ppm /10 ppm                    |
| Cl <sub>2</sub>                    | 0-20 ppm             | T90≤30s       | 0.1 ppm                 | 1 ppm /10 ppm                    |
| NH <sub>3</sub>                    | 0-100ppm/200ppm      | T90≤50s       | 1 ppm                   | 25 ppm /50 ppm                   |
| NO <sub>2</sub>                    | 0-200ppm             | T90≤25s       | 0.1 ppm                 | 3 ppm /10 ppm                    |
| NO                                 | 0-1000 ppm           | T90≤50s       | 1 ppm                   | 25 ppm /50 ppm                   |
| O <sub>3</sub>                     | 0-5ppm/20ppm         | T90≤30s       | 0.1ppm                  | 0.3ppm/5ppm                      |
| PH <sub>3</sub>                    | 0-10ppm              | T90≤60s       | 0.1ppm                  | 0.3ppm/5ppm                      |
| H <sub>2</sub>                     | 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 <sub>4</sub> (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 <sub>2</sub> (IR)               | 0-5.00%vol (0-1%vol) | T90≤60s       | 0.01%vol<br>(0.001%vol) | 1.00%vol/2.00%vol<br>(customize) |
| C <sub>3</sub> H <sub>8</sub> (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                      |



Nanjing Kelisaike Safety Equipment Co., Ltd.



+86 25 8719 3262



manager@njklskn.cn



multi-gasdetection.com

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