



## Customizable O2 Portable Gas Detector With EN/IEC 60079-0 Impact Test

### Our Product Introduction

#### Basic Information

- Place of Origin: Jiangsu, China
- Brand Name: ALPHASENSE
- Certification: ATEX, UL
- Minimum Order Quantity: 1PC
- Price: \$32.00/sets >=1 sets
- Packaging Details: Standard exporting package-Carton box for K60-IV Portable handheld multi gas detector 0-200ppm h2s gas detector
- Stock: 1PC
- Supply Ability: 1000 Set/Sets per Year



#### Product Specification

- Warranty: 1 Year
- Type: Gas Sensor
- Customized Support: OEM
- Gas Type: O2 0-25%VOL
- Principle: ELECTROCHEMICAL
- CE Standard: EN/IEC 60079-0 Impact Test
- HS Code: 9027100090
- Packaging Details: Carton
- Weight: 0.3g
- Output Signal:  $0.10 \pm 0.02$  MA In Air
- Response Time (T90): <15 Seconds
- Operating Temperature Range: -20°C To +50°C
- Port: FOB Nanjing / FOB Shanghai
- Highlight: **Customizable Portable Gas Detector, O2 Sensor, O2 Gas Sensor**



#### More Images



## Product Description

### Honeywell Ammonia Nh3 Gas Sensor for Gas Detector



#### >> Product description

After the analog signal output by the oxygen electrochemical sensor is amplified by the module, it is sent into the ADC acquisition port of STM32 single-chip microcomputer. After the filtration operation inside the STM32 single-chip microcomputer, the oxygen concentration in the air is calculated and then output from the serial port. The module is compatible with 40XV,Me2-O2,AAY80-390R and other electrochemical probes. Module uses high precision rail-to-rail amplifier AD86XX amplifier circuit, integrated ARM Cortex M0 32-bit CPU,12-bit ADC sampling, serial port output oxygen concentration, can be calibrated through the serial port output value,baud rate 115200. Electrochemical gas sensor is based on the principle of electrochemistry,using the measured gas on the sensor working electrode and electrode corresponding REDOX reaction and release charge,through the external circuit to form a current, current size is proportional to the concentration of gas,so as to achieve the quantitative measurement of the target gas.

#### Applicable

It can be used in automobile, laboratory, coal mine, steel, petrochemical, medical and other measuring environments.

##### Key Features and Benefits

- False alarm immunity
- Enhanced response time in extreme applications
- Reliably meets stated life
- Superior environmental performance

##### Technical Specifications

###### MEASUREMENT

|                        |   |
|------------------------|---|
| Technology             | Electrochemical   |
| Measurement Range      | 1-25% vol. O <sub>2</sub>   |
| Maximum Overload       | 30% vol. O <sub>2</sub>   |
| Output Signal*         | 0.10 ± 0.02 mA in Air   |
| Response Time (T90)*   | <15 Seconds   |
| Zero Current (Offset)* | <0.6% vol. O <sub>2</sub>   |
| Linearity              | Can be considered linear in many cases. See Operating Principles (OP-02) for further details. |

###### ELECTRICAL

Recommended Load Resistor | 100 Ω

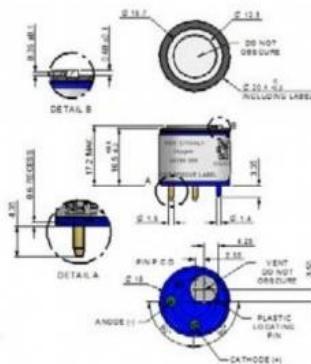
###### MECHANICAL

|                         |                                      |
|-------------------------|--------------------------------------|
| Casing Material         | ABS                                  |
| Weight                  | <16 g                                |
| Orientation Sensitivity | <0.2% vol. O <sub>2</sub> equivalent |

###### ENVIRONMENTAL

|                             |  |
|-----------------------------|--|
| Operating Temperature Range | -20°C to +50°C (up to 3 months continuous across RH range) |
| Recommended Storage Temp    | 0°C to 20°C  |
| Thermal Transient           | <23.5% vol. O <sub>2</sub>                                 |

##### Product Dimensions



#### >> Product Catalogue



**K60-V**  
K60-V



**K500**  
K200



**K800**  
K800



**KL99**  
KL99



**KF200**  
**KE500**



**K1000**  
**KJ1000**

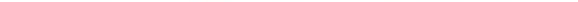


COMPANY  
APPEARANCE

THE OFFICE  
MEETING



WORKSHOP  
INSTRUMENT



- Nanjing Kelisaike Safety Equipment Co., Ltd. founded in 2004, Nanjing Kelisaike has three subsidiaries in Beijing, Xi'an and Xinjiang province, and over 30 domestic sales service centers.
- Standard products include the K60 series portable single gas detectors, K60-IV series multi gas detectors, K800 series fixed gas transmitters, K500 series wall-mounted gas detectors, K1000 series gas detector control panel units, KL99 series air breathing apparatuses, etc.
- Nanjing Kelisaike is also a factory with rich experience in OEM service, providing professional design and manufacturing of customized products.



## THE EXHIBITION

We often participate in exhibitions at home and abroad, harvest a lot of friends, and have been confirmed by many partners.



[>>> Contact us](#)



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