

# BH-4A

## PORTABLE MULTIGAS DETECTOR

Combustible Gas (EX) | Oxygen (O2)  
Hydrogen Sulfide (H2S) | Carbon Oxide (CO)



### DESCRIPTION

The BH-4A features a 2.0-inch industrial-grade LCD display and utilises advanced imported gas sensor and microprocessor technology. Its rapid response, height sensitivity, and consistent performance ensure reliable results with excellent repeatability. Compact and portable, it's convenient to carry and operate, contributing to its widespread popularity in the market.

This device is used in environments necessitating explosion-proof measures or dealing with toxic gas leaks, such as underground channels and the mining industry. Its deployment serves to safeguard the lives of workers and prevent damage to relevant equipment, thereby enhancing workplace safety and efficiency.

### TECHNICAL DATA

TARGET GAS	RANGE	LOW ALARM	HIGH ALARM	RESOLUTION
CH <sub>4</sub>	0~100%LEL	20%LEL	50%LEL	1%LEL
H <sub>2</sub> S	0~100ppm	10ppm	35ppm	1ppm
CO	0~1000ppm	50ppm	150ppm	1ppm
O <sub>2</sub>	0~30%vol	19.5%vol	23.5%vol	0.1%vol

Other gases needed, please contact supplier

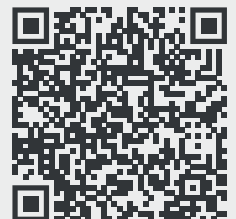


### HIGHLIGHTS

- 1 INDUSTRIAL PRECISION SENSORS
- 2 FAST RESPONSE TIME
- 3 USER-FRIENDLY INTERFACE
- 4 WIRELESS CONNECTIVITY
- 5 LONG BATTERY LIFE
- 6 COST EFFECTIVE

### CERTIFICATIONS

EN61326-1 | IECEx | IP65 | ExiaIICT3



SCAN FOR MORE INFO

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## SPECIFICATIONS

- Detecting Gas: Combustible gas, H2S, CO, O2
- Natural diffusion sampling method and high-sensitivity sensor, with high sensitivity and repeatability
- Full functions, easy operation
- 32-bit built-in MCU, high reliability and self-adaptation ability
- Large LCD, more intuitive, abundant and clear indication

High strength engineering plastics and compound anti-slippery rubber; high strength, water-proof, dust-proof and explosion-proof

Accuracy	±5% F.S.
Response time:	T <sub>90</sub> < 30s
Indication:	Real-time and system status; LED, audio and vibration alert for gas leakage, fault and low voltage
Sensor:	O2/H2S/CO: plug-in electrochemical sensor; Combustible gas (LEL): plug-in catalytic combustion sensor
Working environment:	10°C-50°C, <95%RH
Alarm type:	Low & high; multiple gas; sensor; battery low; prompt tone, automatic shut-down
Backlight:	Automatically activated when working in poor lighting environment or the alarm sounding or the button is knobbed down
Power source:	DC3.7V Li-on battery, 1800mAh
Charging time:	6-8 hours
Working time:	≥8 hours continuously (without alarming)
Gas sensor life:	2 years
Explosion-proof level:	ExialICT3
Protection grade:	IP65
Weight:	Appr. 400g (with battery)
Dimensions:	130*67*30 mm
Alarm method:	sound/light/vibration
Display:	2.0 inch LCD display
Standard accessories:	Suit case packaging, 1pc; Charger, 1pc; Calibration cap, 1pc; Communications cable, 1pc; User manual, 1pc

## APPLICATIONS

**Industrial Settings:** Protect workers in manufacturing plants, refineries, and chemical processing facilities from potential gas hazards.

**Oil and Gas Exploration:** Ensure the safety of personnel involved in exploration, drilling, and production activities by monitoring for flammable gases.

**Emergency Response:** Equip first responders with the tools they need to assess and address hazardous situations swiftly and effectively.

**Environmental Monitoring:** Safeguard the environment by detecting and monitoring gas emissions and pollution levels in real-time.

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#### Gas Detection



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