

BH-4S

PORTABLE MULTIGAS DETECTOR

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



DESCRIPTION

The BH-4S features the latest 32-bit microprocessor and an imported industrial-grade sensor for gas detection via natural diffusion, offering rapid response, high accuracy, and excellent repeatability, ensuring consistently stable performance. Equipped with a 2.4-inch LCD display, can upload data to a computer to assist users in data analysis.

The BH-4S is a certified product that complies with national measurement production license standards. It monitors continuously and simultaneously combustible gases, oxygen (O₂), and two other types of toxic gases. It is commonly used in environments where explosion-proof measures are necessary or where toxic gas leaks may occur, such as underground channels or the mining industry, to safeguard workers' lives and prevent damage to relevant equipment.

TECHNICAL DATA

TARGET GAS	RANGE	LOW ALARM	HIGH ALARM	RESOLUTION
LEL	0~100%LEL	20%LEL	50%LEL	1%LEL
H ₂ S	0~100ppm	10ppm	35ppm	1ppm
CO	0~1000ppm	50ppm	150ppm	1ppm
O ₂	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 | EN6100-4 | IEC62321
IECEX | IP65 | Ex ib IIB T3 Gb



SCAN FOR MORE INFO

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CONTACT DETAILS

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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
- CSTN colorful LCD, more intuitive, abundant and clear

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

Accuracy	≤±5% F.S.
Response time	≤30s
Indication:	LCD displays real-time and system status; LED, audio and vibration alert for gas leakage, fault and low voltage
Working environment:	-20°~50° for toxic gases -40°~70° for Ex <95%RH (no dew)
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:	Ex ib IIB T3 Gb
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.

ABOUT AQUAGAS

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Gas Detection



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