

GY510 Portable Diffusion Gas Detector



product description

This detector integrates advanced technology with user-friendly design, specifically engineered for efficient prevention of gas leakage incidents. It continuously monitors gas concentrations and performs precise analysis, simultaneously displaying detection results and automatically storing data. Additionally, it features built-in voice alerts and audio-visual alarm functions to issue immediate warnings upon detecting hazards, thereby comprehensively safeguarding your life and property safety.

This detector is suitable for industrial production applications in chemical, steel, coal mining, and metallurgical sectors, as well as for laboratory operations and daily monitoring scenarios. With outstanding performance and high reliability, the instrument has become a trusted choice for users across various industries, enabling you to effectively address safety challenges.

product superiority :

➤ **Respond quickly, accurately, and efficiently**

Equipped with high-performance sensors and advanced microprocessors, it monitors gas concentrations in real time, responds swiftly to potential hazards, and ensures a safe working environment.

➤ **Fully functional and suitable for various scenarios**

Voice alerts and audiovisual notifications promptly convey danger signals; data storage and printing functions facilitate subsequent analysis and tracking.

➤ **User-friendly design for easy operation**

With an ergonomic design that ensures comfortable grip and easy portability, it features a simple, intuitive user interface enabling quick mastery even for first-time users.

➤ **Stable and reliable, trustworthy**

- The instrument has undergone rigorous calibration and multiple tests to ensure precise and stable data, providing users with long-term safety assurance.

Product Features

- ◆ Alarms such as excessive gas concentration in voice announcements and battery under-voltage
- ◆ Powered by high-capacity lithium-ion batteries, it enables prolonged continuous operation.
- Use high-precision, highly stable gas sensors
- 2.0-inch color LCD display with Chinese and English language switching support
- Explosion-proof design, meeting requirements for use in explosion-prone environments
- Includes built-in storage and features such as viewing history records and historical alarms
- Made of high-strength ABS engineering plastic, featuring water resistance, dust resistance, and explosion-proof properties.
- High cost-effectiveness with low maintenance expenses
- USB Interface High-Speed Data Export Function (Optional)
- Bluetooth printing of real-time, historical, and alarm data (optional)
- Network Communication, Data, and Location Reporting Cloud Platform (Optional)
- Fall Detection Alarm, SOS Emergency Call (Optional)

Product Parameter

parameter type	Parameter Content	parameter type	Parameter Content
sample mode	Diffuse	display screen	2.0-inch color TFT
Operation Language	Chinese/English	Alarm Method	Voice, Audio-Visual Effects, Vibration
battery capacity	3.7V 2500mAh	Instrument Charging	DC 5V1A
USB	Type-C	Shell Material	ABS+PC
anti-hazard classification	Exia II CT4	levels of protection	IP65
working temperature	-20°C ~ 55°C	Working Humidity	10%RH ~ 95%RH
instruments weight	220g	Instrument Size	137mm*67mm*32mm

Optional Gas

tracer gas	range	indicating error	certainty of measurement	response time	Sensor Type
Oxygen (O2)	0-30%VOL	< ±3%(F.S)	0.1%VOL	<15s	EC

combustible gas (Ex)	0-100%LEL	< $\pm 3\%$ (F.S)	1%LEL	<10s	catalytic combustion
carbon monoxide (CO)	0-1000ppm	< $\pm 3\%$ (F.S)	1ppm	<25s	EC
Hydrogen sulfide (H ₂ S)	0-100ppm	< $\pm 3\%$ (F.S)	1ppm	<30s	EC