

Color-screen pump-equipped six-in-one gas detector

The gas detector is a high-performance, multifunctional device capable of flexible configuration to detect up to six types of toxic, hazardous, and flammable gases.

The gas detector features an ergonomic design with a 2.4-inch color LCD display and an integrated micro-vacuum pump, enabling remote gas sampling and detection. Its core sensing components utilize high-precision imported gas sensors capable of real-time measurement of oxygen, combustible gases, and toxic gas concentrations, offering rapid response, high accuracy, and excellent repeatability. The device is equipped with audible, visual, and vibration alarms, and can be optionally fitted with replaceable batteries to extend operational duration. With a user-friendly interface, it facilitates detection of hazardous gases in complex working environments while providing timely alerts to operators for preventive measures.



Product Features:

-Equipped with a built-in pump that can draw gas from a distance of up to five meters into the instrument for measurement

Supports up to six arbitrary combinations of gas detection methods simultaneously

A 2.4-inch color LCD display that monitors gas concentrations in real time, displaying maximum and minimum values as well as data curves;

-Features a self-diagnostic function that checks the display, battery, sensors, and audio/visual/vibration alarms;

Equipped with high-intensity lighting, a high-decibel buzzer, and vibration-based alarm indicators; each gas type features a two-level alarm detection system.

-Safety Alert: Regular flashing lights and audible alerts;

– Includes a charger for easy portability; robust and durable design; equipped with a standard high-capacity lithium battery for extended operating time.

-Optional battery pack available to extend device runtime; (optional)

-Features built-in data storage and USB drive-style data reading for recording files (optional)

-Features a built-in Bluetooth module to upload gas concentration data to the host software for processing; (Optional)

-Low maintenance costs;

basic technical data :

tracer gas	range	accuracy	response time	least count	Sensor Type
combustible gas (EX)	0-100%LEL	$< \pm 3\%$ (F.S)	<10s	1%LEL	catalytic combustion
Oxygen (O ₂)	0-30%VOL	$< \pm 3\%$ (F.S)	<15s	0.1%vol	EC
carbon monoxide (CO)	0-1000ppm	$< \pm 3\%$ (F.S)	<25s	1ppm	EC
Sulfur dioxide (SO ₂)	0-100ppm	$< \pm 3\%$ (F.S)	<25s	1ppm	EC
Hydrogen sulfide (H ₂ S)	0-100ppm	$< \pm 3\%$ (F.S)	<30s	1ppm	EC
Carbon dioxide (CO ₂)	0-5000ppm	$< \pm 3\%$ (F.S)	<50s	1ppm	NDIR

Other Metrics:

show	2.4-inch color LCD display	working temperature	-10~45°C
report to the police	Sound, light, and vibration alarms	Working Humidity	5-90%RH
explosion-proof sign	Ex ibdIICT4	size	180mm×80mm×110mm
cell	7.4V Lithium-ion rechargeable battery	weight	<1 kg (including charger)
direct reading	Instantaneous value, Peak value, Battery voltage, TWA, STEL		

pour :

1. EC stands for electrochemical sensor; NDIR stands for infrared sensor; PID stands for photoionization sensor.
2. The above data are subject to environmental conditions; please contact us if specific gas range requirements apply.