



gaslux

GAS DETECTOR *For Everyone*

SG

SINGLE GAS DETECTOR



PRODUCT OVERVIEW

Gaslux SG is a maintenance-free single gas detector, the most reliable, user-friendly, cost-effective detection solution for worker safety and operational compliance. It's IECEx, ATEX, CNEX explosion proof certificated and meet the highest standards of quality and reliability to ensure workers' safety and compliance.

Gaslux SG is small, sturdy, ergonomic, and can be attached to a work coat or cap with alligator clips for easy carrying. SG can detect toxic and harmful gases like: carbon monoxide, hydrogen sulfide, oxygen and sulfur dioxide, other toxic gases can be customized, which is widely used in petroleum, petrochemical, metallurgy, chemical and other industries for gas detection and personnel protection.





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PRODUCT ADVANTAGE

- Low power consumption and long standby time, the standby time is up to 2 years, no need to replace the battery.
 - Ultra high buzzer alarm sound, 2 high bright red LED up and down alarm, sound, light and vibration triple alarm to remind workers.
 - High point alarm, low point alarm, TWA, STEL multiple alarm types, the user can adjust the alarm set point as needed throughout the life cycle.
 - Automatic logging 10 sets of recent alarm events for easy and accurate record keeping.
 - Protection class IP68, splash-proof, dust-proof, explosion-proof, shock-proof, intrinsically safe circuit design.
 - Compact and lightweight design with two-button operation with out extensive training.
 - Affordable, with low cost of ownership.
 - Small size, light weight, easy to carry.
 - The shell is made of high-strength materials, designed for a variety of harsh environments, comfortable and durable
- With self-test function, which can improve safety by automatic self-test

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TECHNICAL PARAMETERS

Gas type	SO ₂ /O ₂ /CO/H ₂ S
Sampling Method	Diffusion
Detection Range	SO ₂ : 0-100ppm, O ₂ : 0-30%VOL, CO: 0-1000ppm, H ₂ S: 0-100ppm
Resolution	0.1ppm
Accuracy	≤±3%FS or ±10% (depending on the specific sensor)
Respon Time	≤30s(T90)
Principle	Electrochemical principle
Unit	PPM, mg/m ³ , %VOL, μmol/mol
Display	Gas name, concentration unit, measured value, electricity
Alarm Mode	Sound, light, vibration alarm, high and low alarm values can be set by yourself
Alarm Type	Alarm type Low alarm, high alarm, STEL, TWA, low battery
Power supply mode	3.6V dry battery (non-removable and rechargeable)
Explosion-proof grade	ExiaIICT4Ga
Protection class	IP68
Executive standards	GB 12358-2006, GB 3836.1-2010, GB 3836.4-2010, JJF1421-2013, JJF1363-2019, JJF1364-2012, JJG 365-2008, IEC 60079-0-2017, IEC 60079-11-2
Working Temperature	-20 ~ 55
Working Humidity	0-95%RH (non-condensing)
Working Air Pressure	86~106kpa
Dimension	90*60*33mm (length*width*thickness)
Weight	125g



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NORMAL GAS TYPE AND PARAMETERS

(OTHER GAS ARE NOT LISTED
CAN BE COSTUMIZED)

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DETECTED GAS	MEASURE RANGE	OPTIONAL RANGE	RESOLUTION	RESPON TIME
Sulphur dioxide (SO ₂)	0-100ppm	0-100ppm	0.1ppm	≤10S
Oxygen (O ₂)	0-30%VOL	0-25%VOL	0.01%VOL/0.1%VOL	≤10S
Carbon monoxide (CO)	0-1000ppm	0-2000ppm	0.1ppm/1ppm	≤10S
Hydrogen sulfide (H ₂ S)	0-100ppm	0-1000ppm	0.01ppm/0.1ppm	≤10S

THE STANDARD CONFIGURATION :

Standard accesories :

- 1 Calibration Cap
- 1 Copy of the Manual
- Quality Certificate

