

# Combustible Gas Detector Datasheet



## Product Description



The spot-type gas detector is manufactured using high-performance catalytic combustion gas-sensitive components and microcontroller technology, combined with excellent SMD craftsmanship. It possesses advantages such as good repeatability, temperature and humidity stability, long service life, and convenient operation.

It is suitable for detecting the concentration of combustible gases and toxic hazardous gases in industrial environments.



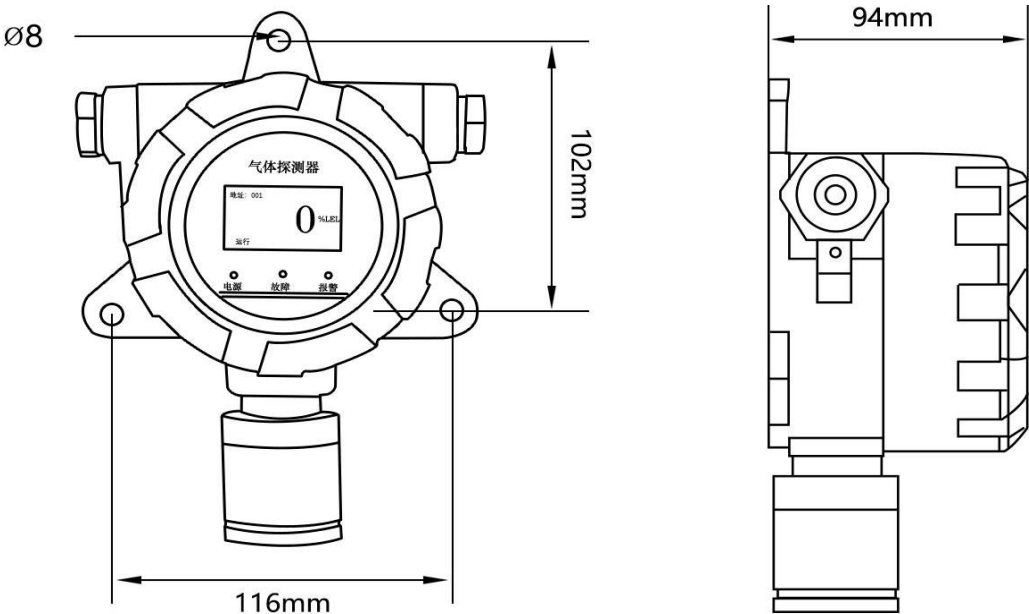
## Product Features

- Modular design: Calibration-free sensor module, more than 200 kinds of gases can be replaced at will.
- Life automatic detection: The life of the sensor is automatically detected, and the replacement is prompted when it expires.
- Double environment explosion-proof: Complies with gas + dust dual explosion-proof standards, IP67 high-level protection.
- LORA wireless communication optional: There is no need for wiring to save money
- Simpler maintenance : Calibration-free and standard gas-free, no need to return to the factory, super worry-free after-sales.
- Intelligent linkage

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## Product Dimensions



## Specifications

Detection Principle	Catalytic combustion
Detected Gases	Combustible gases such as methane
Detect Method	Diffusion type
Control Method	Uses infrared remote-control method, allowing adjustments to the detector without opening the cover, ensuring safety and convenience
Alarm Settings	Two-stage alarm: Low-stage alarm point (25% LEL to high-stage alarm point), high-stage alarm point (50% LEL to 100% FS)
Alarm Outputs	1 group of passive normally open point output, rated power 3A/30V; 1 group of active normally open point output, rated power 0.1A/36V
Measurement Accuracy	$\pm 5\%$ FS

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Communication Parameter Settings	Signal output (optional): Two-wire M-bus signal, three-wire 4-20mA signal (detector fault current output 0mA), four-wire RS485 signal
Working Status Display	Detector normal (green LED); Detector alarm (red LED); Detector fault (yellow LED)
Explosion-proof Method	Flameproof type
Explosion-proof Marking	Exd II CT6Gb
Operating Voltage	18~36VDC
Power Consumption	Catalytic combustion type ≤3W, electrochemical type ≤1W
Installation Method	Fixed installation
Operating Environment	Temperature Range: -20°C to +50°C; Humidity Range: 10% to 95% RH (non-condensing)
IP Rating	IP 67
Storage Temperature	-40°C to +70°C
Pressure Range	86kPa to 106kPa



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