

Fixed Gas Detector Without Display



SG100-WH

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Product overview

SG100-WH series is a cost-effective and intrinsically safe gas detector for the continuous monitoring of toxic gases, oxygen, gases. With IECEX, ATEX certificates, explosion level reaches Ex db IIC T6GB/Ex db ia IIC T6 GB/Ex da db ia IIC T6 GB. Having a 2-wire 4 to 20 mA analog output. Adopt magnetic wand design, it's safe and easy to do menu navigation in explosion areas. It is also an intelligent hot swappable fixed gas detector, which is easy for maintenance after installation.



Product Advantage

- IP66/IP68 water & dust resistant
- Module chamber design, no need to disassemble of the whole machine or return for calibration when maintenance, just replace the sensor chamber only and can work properly
- One-person calibration is easily performed using calibration cap
- Body weight is only 1 kg, easy to install by one-person
- Quick site installation using a mounting plate accessory
- Standard 4-20 mA current signal



Technical parameters

Gas Detected:	EX, combustible gases
Detection Principle:	Catalytic combustion or IR
Measure range:	0-100%LEL
Resolution:	1%LEL
Accuracy:	≤ ± 3%FS
Explosion-proof grade:	IECEX: Ex db IIC T6 Gb, Ex db ia IIC T6 Gb ATEX: Ex db IIC T6 Gb, Ex db ia IIC T6 Gb
Protection grade:	IP66/68
Power dissipation:	toxic gas<2.5W
Communication mode:	4-20mA(2-wires)
Wireless:	LORA、4G(Optional)
Working voltage:	12-24VDC
Display:	No display
Working temperature:	-40℃ ~ 70℃ (Catalytic sensor) ,
Working pressure:	86kPa-106kPa
Housing material:	Die casting aluminum
Electrical interface:	standard internal screw thread M20 * 1.5, optional 1/2NPT internal thread, G3/4, G1/2, 3/4NPT
Size:	157.8x128.8x69.6mm
Weight:	about 1.0Kg