

FIX GAS DETECTOR

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Especially designed for

Professionals Discover our

Detection devices



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Fixed Gas Detector

Type: SKA100-X-XX Die Cast Aluminum

SKA100 range fixed Gas Detectors are multifunctional Intelligent gas detection instrument which adopts high performance detection devices and microcomputer control technology.

The real display as well as buzzer and flashing light are integrated.

SKA100 gas detectors convert the measurement gas concentration into electronic signal and remote transmission, using 4-20 mA, or RS485 outputs, with long transmission distance and anti-jamming.

These detectors are EX approved SIL2 and SIL3 certified IP67 with high temperature and humidity resistance suitable for harsh environments.

SKA100 range fixed Gas Detectors can be installed in Oil, Gas, Petrochemical, steel, mines, chemical and power plants and multiple other industries.



IP67



Features

- LCD/LED digital display of gas concentration and working status
- Temperature compensation and automatic zero correction capability
- Sensor fault self test, two alarm levels with the output relay
- Long Life, high sensitivity, Low drift, stable and reliable
- RS485 output to upload data to PLC, DCS, PC
- Adjustable Detection range accuracy
- Easy calibration by Remote Control
- Alarm and fault log function.



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Technical Parameters

Detection Principle: Catalytic Combustion, electrochemical Infrared, Semiconductor

Gas type: Flammable, Liquid Vapor TVOL, Toxic, Oxygen

Sampling Mode: Natural Diffusion

Detection Range: 0~100% LEL

Measurement error: ±3% LEL

Working Temperature: -20°C ~ +60°C

Relative humidity: ≤95% non-condensing

Ex Group: II 2G Exd IIC T6 Gb

Protection glass: IP67

Power: DC24V (18-32 VDC)

Output signal: 4-20mA, RS485

Data transmission range: ≤1500m

Dimensions: 220mm x 190 mm x 90 mm

Weight: Appx 2.0 Kg

Housing Material: Die Cast Aluminium

Sensor body: Stainless Steel 316L

Gas detected	Measuring Range	Optional Range	Resolution Ratio	Response Time
LEL -combustible gas	0-100%LEL	0-100%VOL (Infrared or catalytic)	1%LEL/1%vol	≤10s
carbon monoxide	0-1000PPm	0-500/2000/5000PPm	0.1/1PPm	≤10s
TVOC	0-100PPM	0-100PPM	0.1PPm/1PPM	≤15s
hydrogen	0-100%LEL	0-1000PPM	1%LEL/1PPM	≤15s
natural gas	0-100%LEL	0-100%LEL	1%LEL	≤10s
Oxygen-O2	0-30%VOL	0-30%、0-100%VOL	0.1%vol	≤10s
ozone	0-10PPm	0-20、100PPm	0.01PPm/0.1PPM	≤15s
hydrogen sulfide-H2S	0-100PPm	0-50、200、1000PPm	1/0.1PPm	≤10s
Methane-CH4	0-100%LEL	0-100%VOL	1%LEL/1%vol	≤10s
fluorine	0-10PM	0-1、10PPM	1/0.1PPm	≤15s
hydrogen chloride	0-20PPm	0-20/50PPm/100PPM	0.01/0.1PPm	≤15s
Nitrogen-N2	0-30%VOL	0-30%VOL、100%VOL	0.1%LEL/1PPM	≤10s
hydrogen	0-100%LEL	0-1000PPm	1%LEL/0.1PPm	≤15s
chlorine	0-20PPm	0-10、100PPm	0.1PPm	≤15s
ammonia gas	0-100PPm	0-50、500、1000PPm	1/0.1PPm	≤15s

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