

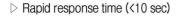
GIR-3000 Series

Intelligent & Local Display Type Infrared Gas Detector

Feature

- Continuous detection of Hydrocarbon, CO₂, CO and N₂O
 gases in explosion hazardous area with flame proof structure
- State-of-the art infrared detection principle

- Department Department Department
- ▷ Self diagnosis function with built-in Microprocessor



Auto calibration and program setting with a magnet bar
 2-stage alarm, 1-trouble display and relay contact output

> 4-20mA DC output signal

▷ Easy configuration of monitoring system by RS-485 Modbus(isolated) serial communication or HART communication (Option)

Special Application



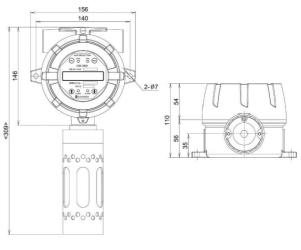


GSA920 / JBox Beacon & Sounder type



Dimension (Unit:mm)





Accessories

General











HART module

RS-485 module

Dust Filter

Rain cover

GTL-100

Specification

	INTELLIGE	NT & LOCAL	DISPLAY TYPE INFRA	ARED GAS DETECT	OR GIR-3000 SERIES
Model	GIR-3000				
Measuring gas	Hydrocarbon gases (LNG, LPG, Methane, Buthane & etc)			CO ₂	CO, N ₂ O
Measuring type	Diffusion type				
Measuring method	Infrared type				
Measuring range	0~100% LEL	0~5,000ppm	0~100% Vol	0-1.0% Vol 8	& 0−5.0% Vol~0−100% Vol
Sensor life time	Over 5 years				
Response time	<10sec / 90% scale				
Accuracy	\pm 3% / Full scale				
Parameter control	Non intrusive control with a Magnet bar (calibration, maintenance, alarm setting)				
Operation mode display	4-LED (Power, 2-stage alarm, 1-trouble)				
Measuring value display	LCD display (Built-in back light 2-Line, 16 characters)				
Alarm signal output	250V 1A / 3-SPST Relay contact (2-stage alarm, 1-trouble)				
Output signal	 Analog output : Measuring signal : 4-20mA DC 				
	Maintenance signal : 3mA DC				
	Calibration signal : 3mA DC				
	• Fault signal : 0mA DC				
	Digital output : RS-485 Modbus (Option)				
	HART Communication (Option)				
Cable / Distance	Power + signal cable : 3 wire >2.0sq(AWG14) / 500m max.				
	RS-485 data communication cable: 1pair (UL2919 RS-485) / 1,000m max				
Conduit connection	G. Rc. NPT 1/2" & 3/4" (G 3/4" : standard)				
Mounting type	2" Pole mount, Wall mount, Duct mount				
Operating temperature	-20°C ~ +60°C				
Operating humidity	5 ~ 99% RH (non-condensing)				
Operating power	18 ~ 31V DC (24V DC normal) / 400mA max.				
Dimensions	156X309X110 (WxHxD)mm				
Weight	3kg				
Approval	Flame proof type (Ex d IIC Gb T6] ATEX, IECEx, CE, IP 65				

Flame proof type (Ex d IIC T6] KOSHA / MED (Marine Equipment Directive), KR