

## GIR-3000A Fixed Type Infrared Gas Detector

| Continuous detection of flammable, CO<sub>2</sub>, CO and N<sub>2</sub>O gases in explosion hazardous area with flame proof structure | State-of-the art infrared detection principle | Long service life time(more than 5 years) | Operation in non oxygen environment | Self diagnosis function with built-in Microprocessor | Fast response time(<6 sec) | Built-in back light LCD or OLED display(Only GIR-3000A) | Auto calibration and program setting with a magnet bar | 2-stage alarm, 1-trouble display and relay contact output | 4-20mA (Current source or Sink) output signal | Easy configuration of monitoring system by RS-485 Modbus or HART communication(Only GIR-3000A) | Calibration and maintenance by one-man |

### IMAGE



### ACCESSORIES



GTL-100



HART Module



RS-485 module

### SPECIFICATION

※ Specifications are subject to be changed without prior notice.

SMART & LOCAL DISPLAY TYPE INFRARED GAS DETECTOR	
Model	GIR-3000A
Measuring gas	Hydrocarbon gases (LNG, LPG, Methane, Buthane & etc) CO <sub>2</sub> CO, N <sub>2</sub> O
Measuring type	Diffusion type
Measuring method	Infrared type
Measruing range	0-100% LEL 0-5000ppm 0-100% Vol 0-5.0% Vol 0-2.0% Vol, 0-4000ppm
Sensor life time	Over 5 years
Response time	<6sec / 90% scale, <3sec / 50% scale
Accuracy	±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) / OLED Type (Option)
Alarm signal output	2A@30VDC, 0.5A@125VAC (resistive load) / 3-SPST relay contact(2stage alarm, 1 trouble)
Output signal	Analog : Measuring signal : 4-20mA DC Calibration signal : 3mA DC Fault signal : 0mA DC Digital : RS-485 Modbus (Option) 2mA (HART 7, HART Device Description Language available, Option)
Material	Housing : ALDC, SUS316(Optional) / Sensor : SUS316
Conduit connection	Standard : PF 3/4" Option : NPT 1/2", NPT3/4", M20 x 1.5P, M25 x 1.5P
Mounting type	2" Pole mount, Wall mount, Duct mount
Operating temperature	-40°C ~ +75°C
Operating humidity	5 ~ 99% RH (non-condensing)
Dimensions	156(W) x 323(H) x 110(D)mm
Weight	3kg
CERTIFICATION	
KCs	Ex d IIC T6 NEPSI Ex d IIC T6 Gb
CE / KFI	Refer to website