GTD-3000Ex

Intelligent & Local Display Type Gas Detector For Flammable Gases

- Continuous detection of flammable gases in explosion hazardous area with flame proof structure
- Self diagnosis function with built-in Microprocessor
- Detection gases from low to high concentration owing to various detection principle
- Stable quality and proved detection principle for service life
- Built-in back light LCD display
- Auto calibration and program setting with a magnet bar
- 2-stage alarm, 1-trouble display and relay contact output
- 4-20mA DC output signal
- RS-485 Modbus communication.
- Easy configuration of monitoring by serial data communication
- Calibration and maintenance by one-man

SPECIAL APPLICATION
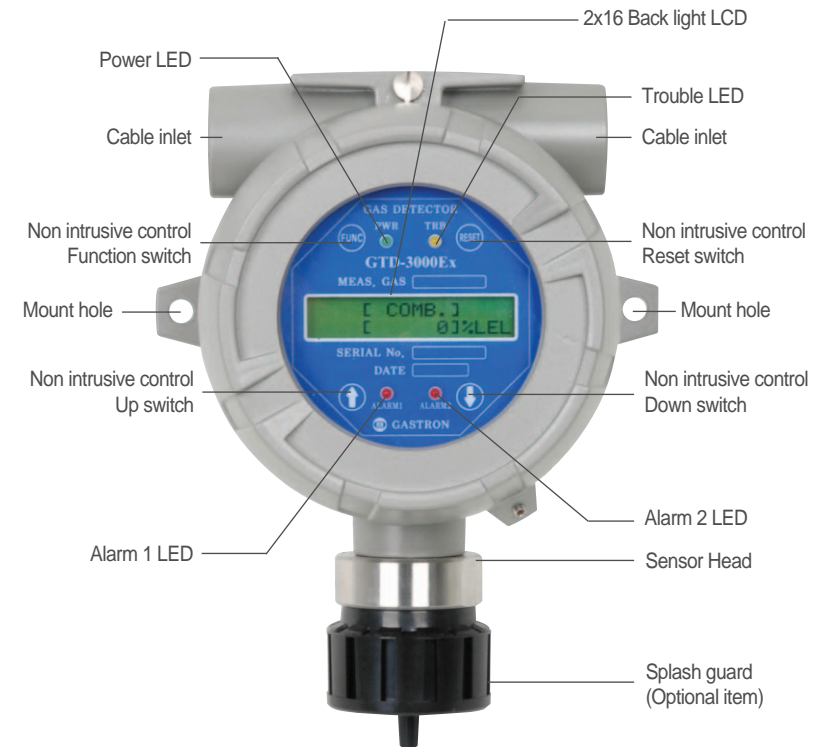
Remote type | Insert type

GTD-3000Tx

Intelligent & Local Display Type Gas Detector For Toxic Gases & Oxygen

- Continuous detection of toxic gases & oxygen in hazardous area with flame proof structure
- Self diagnosis function with built-in Microprocessor
- Excellent selectivity by adapting detection principle only for toxic gases & oxygen
- Superior performance for detecting gas below TLV
- Built-in back light LCD display
- Auto calibration and program setting with a magnet bar
- 2-stage alarm, 1-trouble display and relay contact output
- 4-20mA DC output signal
- RS-485 Modbus communication
- Easy configuration of monitoring by serial data communication
- Calibration and maintenance by one-man

SPECIAL APPLICATION

Remote type | Insert type

GENERAL

Power LED
2x16 Back light LCD
Trouble LED
Cable inlet
Cable inlet
Non intrusive control Function switch
Non intrusive control Reset switch
Mount hole
Mount hole
Non intrusive control Up switch
Non intrusive control Down switch
Alarm 2 LED
Alarm 1 LED
Sensor Head
Splash guard (Optional item)

ACCESSORIES

Cable gland

Splash guard

Rain cover

Collecting-cone

SPECIFICATION

	INTELLIGENT & LOCAL DISPLAY TYPE GAS DETECTOR GTD-3000 SERIES		
Model	GTD-3000Ex		GTD-3000Tx
Measuring gas	Flammable gases (LNG, LPG, H_2, Methane, Butane & etc)		Toxic gases (O_2, CO, CL_2, NH_3, HCL, HCN, SO_2 & etc)
Measuring type	Diffusion type		
Measuring method	Hot wire Semiconductor cell / Catalytic cell / Thermal conductivity cell		Electrochemical cell, Semiconductor cell
Measuring range	0-2000ppm / 0-100%LEL / 0-100%Volume		Refer to ordering information (42 page)
Response time	⟨15sec / 90% scale		⟨45 sec / 90% scale
Accuracy	±3% / Full scale		
Parameter control	Non intrusive control with a Magnet (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 : 4-20 mA DC • Maintenance signal : 3mA DC • Calibration signal : 3mA DC • Fault signal : 0 mA DC • Digital output : RS-485 Modbus (Option)		
Cable/Distance	Power + signal cable : 3-wire (˃CVVS 1.5sq) / 2,500m max. RS-485 data communication cable : 1par (UL2919 RS-485) / 1,000m max.		
Conduit connection	1/2" & 3/4" PF, NPT, PT (3/4" PF : standard)		
Mounting type	2" Pole mount, Wall mount, Duct mount		
Operating temperature	-20℃ ~ +60℃		
Operating humidity	5 ~ 99%.RH (non-condensing)		5 ~ 95%.RH (non-condensing)
Operating power	18 ~ 31V DC (24V DC normal) / 250mA max.		
Dimensions	152x168.5x109(WxHxD)mm		152x188.5x109(WxHxD)mm
Weight	2.1kg		2.2kg
Approval	Flame proof type (Ex d IIC T6 IP65)		

※Specifications are subject to be changed without prior notice.