Intelligent Diffusion Oxygen & Toxic Gas Detector

GTD-3000Tx

Feature

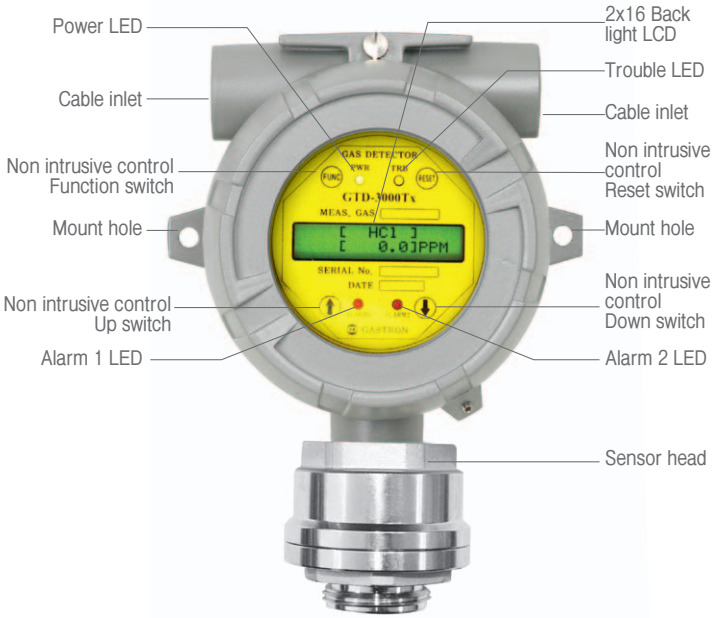
- ▷ Continuous detection of toxic gases and oxygen in explosion hazardous area with flame proof structure
- ▷ Self diagnosis function with built-in Microprocessor
- ▷ Excellent selectivity by adapting detection principle only for toxic gases & oxygen
- ▷ Stable quality and proved detection principle for service life
- ▷ Built-in back light LCD or OLED 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
- ▷ Easy configuration of monitoring system by RS-485 Modbus isolated serial data communication(Option)
- ▷ With the alarm unit
  - Normal : Green LED
  - Alarm : Red LED, Buzzer(95 dB)
  - Trouble : Yellow LED
- ▷ Calibration and maintenance by one-man

Special Application

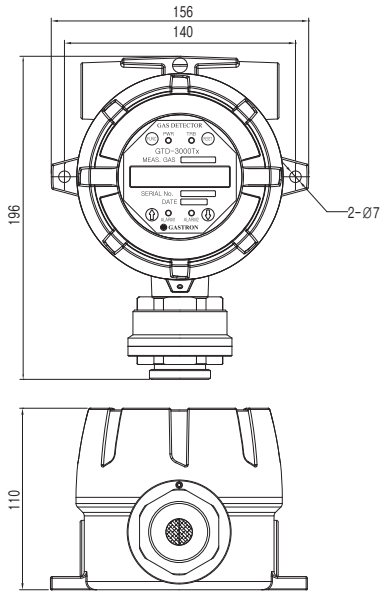
Alarm Beacon Type

Insert type

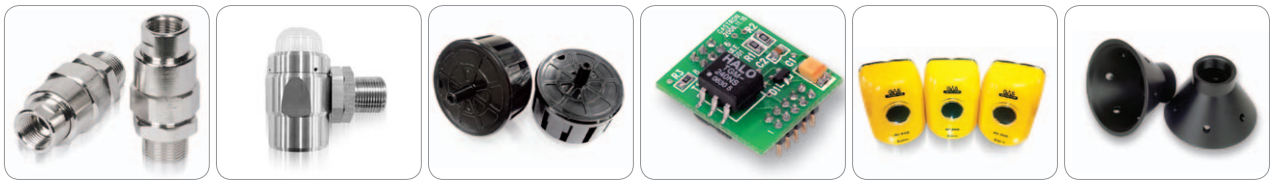
General



Dimension (Unit:mm)



Accessories



Cable gland

GTL-100
(Flame Proof Type Alarm device)

Splash guard

RS-485 module

Rain cover

Collecting-cone

Specification

※Specifications are subject to be changed without prior notice.

	INTELLIGENT DIFFUSION OXYGEN & TOXIC GAS DETECTOR
Model	GTD-3000Tx
Measuring gas	O_2 / Toxic gases (CO, CL_2, NH_3 & etc)
Measuring type	Diffusion type
Measuring method	Electrochemical cell, Semiconductor cell
Measuring range	Refer to Toxic Gas Measuring Range(166 page)
Response time	〈 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) / OLED Type (Option)
Alarm signal output	250V 1A / 3-SPST relay contact (2-stage alarm, 1-trouble)
Output signal	Analog : Measuring signal : 4-20mA DC Maintenance signal : 3mA DC Calibration signal : 3mA DC Fault signal : 0mA DC Digital : RS-485 Modbus(Option)
Cable/Distance	Power + Signal cable : 3-wire 〉 1.5sq (AWG16) / 2500m max RS-485 data communication cable : 1pair (UL2919 RS-485) / 1000m 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℃ ~ +60℃
Operating humidity	5 ~ 99%.RH (non-condensing)
Operating power	18 ~ 31V DC (24V DC normal) / 200mA
Dimensions	156 x 196 x 110 (W x H x D)mm
Weight	2.0kg
Approval	Explosion proof type (Ex d IIC T6, IP65) KCs Explosion proof type (Ex d IIC T6 Gb) NEPSI CE (EN 50270:2006)