Intelligent Diffusion Oxygen & Toxic Gas Detector

GTD-3000Tx

Special Application

Alarm Beacon Type

Insert type

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

General

- Power LED
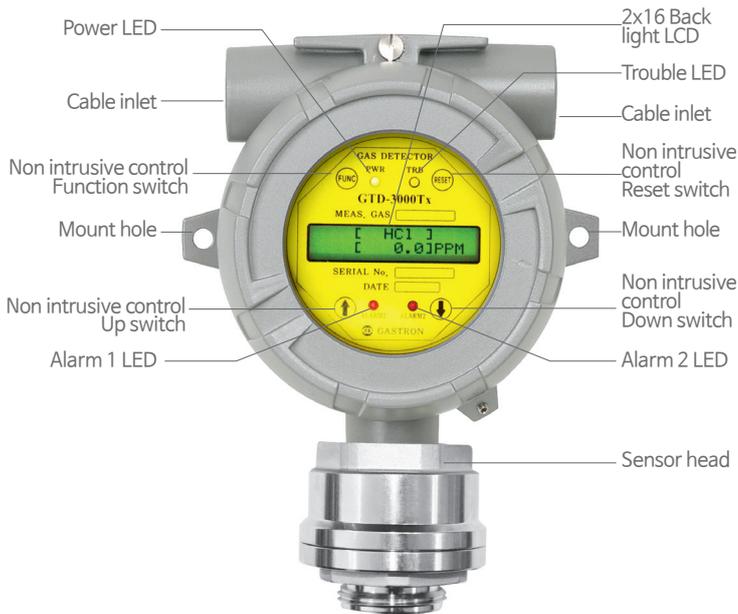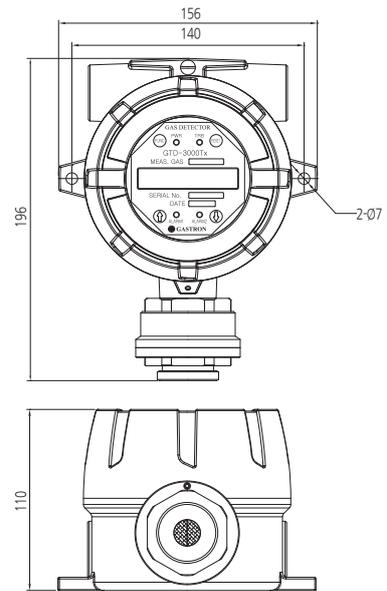- Cable inlet
- Non intrusive control Function switch
- Mount hole
- Non intrusive control Up switch
- Alarm 1 LED
- 2x16 Back light LCD
- Trouble LED
- Cable inlet
- Non intrusive control Reset switch
- Mount hole
- Non intrusive control Down switch
- Alarm 2 LED
- Sensor head

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 & LOCAL DISPLAY TYPE OXYGEN & TOXIC GAS DETECTOR	
Model	GTD-3000Tx
Measuring gas	O2 / Toxic gases (CO, CL2, NH3 & etc)
Measuring type	Diffusion type
Measuring method	Electrochemical cell, Semiconductor cell
Measuring range	Refer to Toxic Gas Measuring Range(176 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) KC