

TOTAL SOLUTION FOR GAS DETECTION SYSTEM

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GTD-300Tx Series

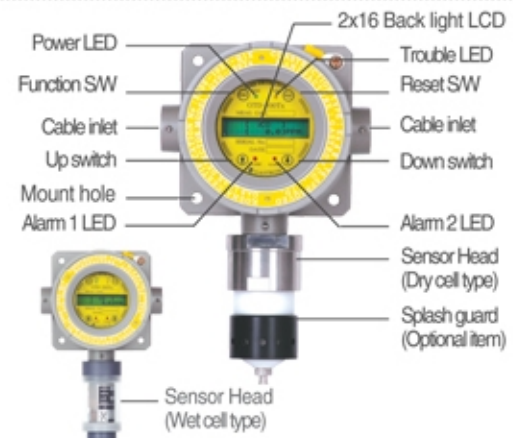
SMART TYPE & LOCAL DISPLAY TYPE



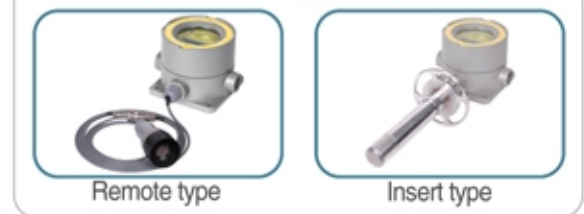
- Continuous detection of Oxygen & toxic gas in hazardous area with flame proof structure
- Self diagnosis function with built-in Microprocessor
- Excellent selectivity by adapting detection principle only for oxygen & toxic gas
- Superior performance for detecting gas below TLV
- Built-in Back light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

GENERAL

- GTD-300Tx has flame proof structure and can be installed in hazardous area, gas might be present in, and continuously detects oxygen & toxic gas
- It has detection principle only for oxygen & toxic gas and reacts only with corresponding gas. Therefore, it minimizes malfunctioning due to interfering gas
- Also it shows excellent performance for detecting very low gas concentration (below TLV)
- It has 4 LEDs and built-in back light LCD (2 X 16 characters)
- Operating status and gas density can be checked from the display.
- User can set programs (calibration, maintenance and alarm) with magnetic bar and LCD display
- It produces 2-alarm and trouble output (SPST relay contact) to interlock with other devices (gas shut-off valve, beacon and venting FAN) when alarm is occurred.
- It has guaranteed reliability and minimized influences of temperature, pressure, humidity and electrical noise.
- Analog output (4-20mA DC) and RS-485 Modbus (isolated) digital output can be delivered to controller, DCS & PLC and gas monitoring system
- There are various accessories for each onsite condition (Optional item)



[Special application]



[Accessories]



SPECIFICATION

DIFFUSION TYPE OXYGEN & TOXIC GAS DETECTOR

Model	GTD-300Tx
Measuring gas	Toxic gas (O ₂ , CO, CL ₂ , NH ₂ , HCL, HCN, SO ₂ & etc)
Measuring type	Diffusion type
Measuring method	Electrochemical cell, Semiconductor cell
Measuring rang	Refer to Ordering information (70 page)
Response time	<45 sec / 90% scale
Accuracy	±3% / Full scale
Parameter control	Non intrusive control with Magnet bar (calibration, maintenance, alarm setting)
Operation mode display	4-LED (Power, 2-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-Alarm, 1-Trouble)
Output signal	Analog output : Measuring signal : 4-20 mA DC Maintenance signal : 3mA DC calibration signal : 2mA DC Fault signal : 0 mA DC
Cable/Distance	Digital output : RS-485 Modbus (Option) Power + signal cable : 3 wire (Above 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 (3/4" : standard)
Mounting type	2" Pole mount, Wall mount, Duct mount
Operating temperature	-20°C ~ +50°C
Operating humidity	5 ~ 95%.RH (non-condensing)
Operating power	18 ~ 31V DC (24V DC normal) / 250mA max.
Dimensions	Dry cell type 152 x 188.5 x 125 (W X H X D) Wet cell type 152 x 238.5 x 125 (W X H X D)
Weight	2.2kg
Approval	Flame proof type (Ex d IIC T6)

※ Specifications are subject to change without prior notice.

DIMENSION (unit : mm)

