

# TOTAL SOLUTION FOR GAS DETECTION SYSTEM

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## TS-2100Tx Series

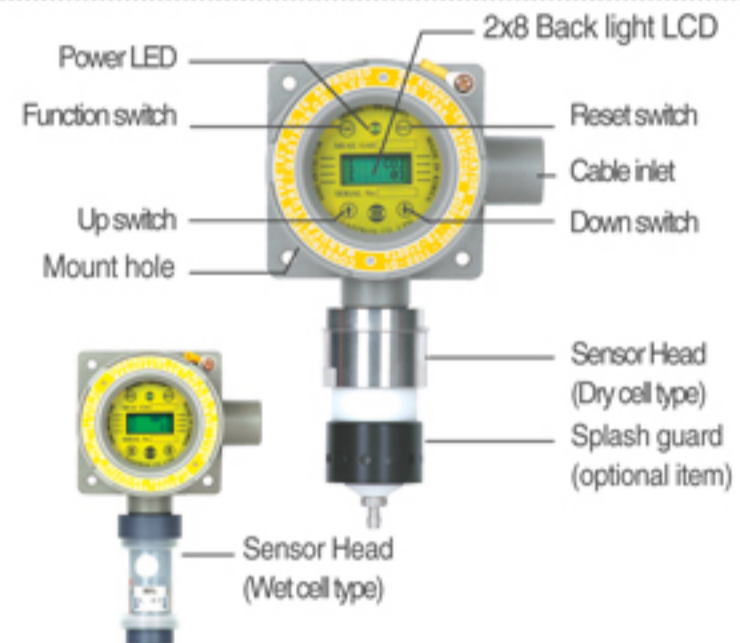
TRANSMITTER & LOCAL DISPLAY TYPE



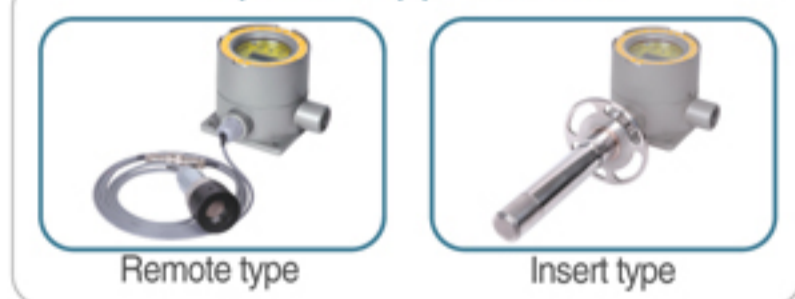
- Continuous detection of Oxygen & toxic gas in hazardous area with flame proof structure
- Self diagnosis function with built-in Microprocessor
- Excellent selectivity by adapting detection principle only for oxygen & toxic gas
- Superior performance for detecting gas below TLV
- Multi functions and high quality with low cost of ownership
- Built-in Back light LCD display
- Auto calibration and program setting with magnet bar and ICD display
- 4-20mA DC output signal
- Calibration and maintenance by one person

### GENERAL

- TS-2100Tx 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 1 LED and built-in back light LCD (2 X 8 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 has guaranteed reliability and minimized influences of temperature, pressure, humidity and electrical noise.
- Analog output (4-20mA DC) is delivered to controller, DCS & PLC and gas monitoring system
- There are various accessories for each onsite condition (Optional item)



### [Special application]



### [Accessories]



## SPECIFICATION

### TRANSMITTER & LOCAL DISPLAY TYPE OXYGEN & TOXIC GAS DETECTOR

Model	TS-2100Tx
Measuring gas	Toxic gas (O <sub>2</sub> , CO, CL <sub>2</sub> , NH <sub>2</sub> , HCL, HCN, SO <sub>2</sub> & etc)
Measuring type	Diffusion type
Measuring method	Electrochemical cell, Semiconductor cell
Measuring range	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	1-LED (Power)
Measuring value display	LCD display (Built in Back light 2-Line, 8 characters)
Output signal	Measuring signal : 4-20 mA DC Maintenance signal : 3mA DC calibration signal : 2mA DC Fault signal : 0mA DC
Cable/Distance	3 wire (Above CVVS 1.5sq) / 2,500m 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) / 150mA max.
Dimensions	Dry cell type 142 x 176 x 110 (W X H X D) Wet cell type 142 x 226 x 110 (W X H X D)
Weight	2.1kg
Approval	Flame proof type (Ex d IIC T6)

TS-2100Tx

※ Specifications are subject to change without prior notice.

## DIMENSION (unit : mm)

