

TOTAL SOLUTION FOR GAS DETECTION SYSTEM

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TS-2100Ex Series

TRANSMITTER & LOCAL DISPLAY TYPE



- Continuous detection of combustible gas in explosion hazardous area with flame proof structure
- Self diagnosis function with built-in Microprocessor
- Detection of combustible gas from low to high concentration owing to various detection principle
- Stable quality and proved detection principle for service life
- 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 LCD display
- 4-20mA DC output signal
- Calibration and maintenance by one person

GENERAL

- TS-2100Ex has flame proof structure and can be installed in explosion hazardous area, explosive gas might be present in, and continuously detects combustible gas
- Detection principles are catalytic combustion, thermal conductivity and semiconductor type. and can detect combustible gas from low to high concentration
- TS-2100Ex has very stable performance because it uses proved detection principle for service life
- 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]



Remote type



Insert type

[Accessories]



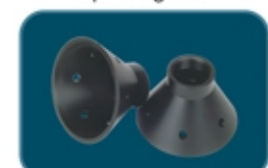
Cable gland



Splash guard



Rain cover



Collecting-cone

SPECIFICATION

TRANSMITTER & LOCAL DISPLAY TYPE COMBUSTIBLE GAS DETECTOR

Model	TS-2100Ex		
Measuring gas	Combustible gas (LNG, LPG, H ₂ , Methane, Buthane & etc)		
Measuring type	Diffusion type		
Measuring method	Hot wire semiconductor cell	Catalytic cell	Thermal conductivity cell
Measuring range	0-2000ppm	0-100% LEL	0-100% Volume
Response time	<15 sec / 90% scale		
Accuracy	±3% / Full scale		
Parameter control	Non intrusive control with Magnet bar (calibration, maintenance)		
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 : 0 mA 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 ~ 99%.RH (non-condensing)		
Operating power	18 ~ 31V DC (24V DC normal) / 150mA max.		
Dimensions	142 x 156 x 110 (W X H X D)		
Weight	2.0kg		
Approval	Flame proof type (Ex d IIC T6)		

※ Specifications are subject to change without prior notice.

TS-2100Ex

DIMENSION (unit : mm)

