

# TOTAL SOLUTION FOR GAS DETECTION SYSTEM

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## TS-1100Ex Series

TRANSMITTER TYPE



- Continuous detection of combustible gas in explosion hazardous area with flame proof structure
- Detection of combustible gas from low to high concentration owing to various detection principle
- Stable quality and proved detection principle for service life
- High quality and low cost of ownership
- Simple structure and compact design
- 4-20mA DC output signal
- Calibration and maintenance by one person

### GENERAL

- TS-1100Ex 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-1100Ex has very stable performance because it uses proved detection principle for service life.
- Its design is simple and total cost of ownership is very low with high quality
- 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]



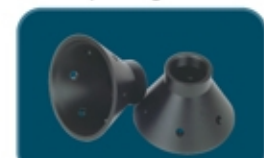
Cable gland



Splash guard



Rain cover



Collecting-cone

## SPECIFICATION

### TRANSMITTER TYPE COMBUSTIBLE GAS DETECTOR

Model	TS-1100Ex		
Measuring gas	Combustible gas (LNG, LPG, H2, 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		
Output signal	4-20 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 152 x 95 (W X H X D)		
Weight	1.6kg		
Approval	Flame proof type (Ex d IIC T6)		

※ Specifications are subject to change without prior notice.

## DIMENSION (unit : mm)

