S-Guard Tx

Toxic and O_2 Gas Detector

GasTech Australia Smart Guard series S-Guard™ Series GTD-2000Tx hydrocarbon Gas detector is a Toxic gas and Oxygen smart transmitter. The electrochemical elements are self-compensating. The industry standard 4 -20 mA analog output provides remote alarm, fault and calibration signals.

Features

* Continuous detection of Toxic gas and Oxygen in explosion hazardous area with flame proof structure

* Self diagnosis function with built-in Microprocessor

* Excellent selectivity by adapting detection principle 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 LCD display

* 4-20mA DC output signal

* One man Calibration and maintenance

Applications

- Refineries

- Gas turbines

- Drilling and production platforms

- Chemical plants

- Fuel loading facilities

- Compressor stations

- Oil well logging

- Wastewater treatment facilities

- LNG/LPG processing and storage facilities

- Transportation facilities

GASTECH
AUSTRALIA

S-Guard Tx

Toxic and O$_2$ Gas Detector

Model	S-Guard CAT GTD-2000 (Hydrocarbon)
Measuring gas	Combustible gas (LNG, LPG, Methane & etc)
Measuring type	Diffusion type
Sensor type	Hot wire semiconductor cell, Catalytic cell, Thermal conductivity cell
	semiconductor cell
Measuring range	0-2,000 ppm & 0-100 % LEL
	0-10,000 ppm & 0-5.0% Vol
Response time	<15 sec / 90% scale
Accuracy	±3% / Full scale
Parameter controls	Non intrusive control with Magnet bar (calibration, maintenance, alarm setting)
Measuring value display	LCD display (Built-in Back light 2-Line, 16 characters)
Output signal	
Analog output : Measuring signal	4-20 mA DC
Maintenance signal	3 mA DC
Calibration signal	2 mA DC
Fault signal	0 mA DC
Digital output	RS-485 MODBUS (Option)
Cable / Distance	Power + signal cable: 3 wire (above CVVS 1.5sq) / 500m max.
RS-485 data communication cable	1par (UL2919 RS-485) / 1,000m max.
Conduit pipe	1/2" & 3/4" PF, NPT (3/4" PF 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) / 300mA max.
Dimensions	136 x 166 x 110 (W X H X D)mm
Weight	1.7kg
Approval	Flame proof structure (Ex d IIC T6),ATEX, IECEx
Ordering information	67-9091-H2S S-Guard H2S Transmitter and JBox 0-50ppm IECex
	67-9091-xxx (xxx) represents the gas type eg HCN, CO etc

Specifications subject to change without notice (June 2011)