

S-Guard Ex

Catalytic Hydrocarbon Gas Detector



GasTech Australia Smart Guard series S-Guard™ Series GTD-2000Ex hydrocarbon Gas detector is a catalytic smart transmitter. The sensing and reference elements are self-compensating for temperature integrity. The industry standard 4 -20 mA analog output provides remote alarm, fault and calibration signals.

Features

- * Continuous detection of combustible gas in explosion 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 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

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Model	S-Guard Ex 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°C ~ +60°C
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	1.5kg
Approval	Flame proof structure (Ex d IIC T6), ATEX, IECEx
Ordering information	67-9091-Ex S-Guard Ex Catalytic Smart Transmitter and JBox 0-100% LEL IECEx

Distributed By

HEAD OFFICE

Telephone +61 8 6108 0000
Facsimile +61 8 9408 1868
Email info@gastech.com.au
24 Baretta Road
Wangara, Western Australia 6065

NSW OFFICE

Telephone +61 2 9451 0054
Facsimile +61 2 9450 0833
Email info@gastech.com.au
21/25, Narabang Way
Belrose NSW 2085



Specifications subject to change without notice (June 2011)