

# 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.

## 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



## KEY 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

## S-GUARD EX

**SPECIFICATIONS** Specifications subject to change without notice

<b>Model</b>	S-Guard Ex GTD-2000 (Hydrocarbon)
<b>Measuring gas</b>	Combustible gas (LNG, LPG, Methane & etc)
<b>Measuring type</b>	Diffusion type
<b>Sensor type</b>	Hot wire semiconductor cell, Catalytic cell, Thermal conductivity cell semiconductor cell
<b>Measuring range</b>	0-2,000 ppm & 0-100 % LEL 0-10,000 ppm & 0-5.0% Vol
<b>Response time</b>	<15 sec / 90% scale
<b>Accuracy</b>	±3% / Full scale
<b>Parameter controls</b>	Non intrusive control with Magnet bar (calibration, maintenance, alarm setting) LCD display (Built-in Back light 2-Line, 16 characters)
<b>Measuring value display</b>	
<b>Output signal</b>	4-20 mA DC
<b>Analog output : Measuring signal</b>	3 mA DC
<b>Maintenance signal</b>	2 mA DC
<b>Calibration signal</b>	0 mA DC
<b>Fault signal</b>	RS-485 MODBUS (Option)
<b>Digital output</b>	Power + signal cable: 3 wire (above CVVS 1.5sq) / 500m max.
<b>Cable / Distance</b>	1par (UL2919 RS-485) / 1,000m max.
<b>RS-485 data communication cable Conduit pipe</b>	1/2" & 3/4" PF, NPT (3/4" PF standard)
<b>Mounting type</b>	2" Pole mount, Wall mount, Duct mount
<b>Operating temperature</b>	-20°C ~ +60°C
<b>Operating humidity</b>	5 ~ 99%.RH (non-condensing)
<b>Operating power</b>	18 ~ 31V DC (24V DC normal) / 300mA max.
<b>Dimensions</b>	136 x 166 x 110 (W X H X D)mm
<b>Weight</b>	1.5kg
<b>Approval</b>	Flame proof structure (Ex d IIC T6),ATEX, IECEx
<b>Ordering information</b>	67-9091-Ex S-Guard Ex Catalytic Smart Transmitter and JBox 0-100% LEL IECex



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