

FGS FLAMEFAST GAS SENSOR (24V)



| OVERVIEW |

The Flamefast Gas Sensor is one of the most cost effective and versatile units available on the market. With a Voltage Output, and Volt Free Contact the FGS can connect directly into most third party controllers or can easily connect to the New LCD based range of panels using the BACnet output.

With most modern buildings the plant room safety systems are BMS integrated, and the FGS has been designed with this in mind. It can be treated like any other field sensor, the latching facility allows direct integration with the primary safety circuit, then simply pulse the Digital Input to reset once the alarm has cleared. This negates the requirement for a controller, cutting down cost of the equipment and installation.

| KEY FEATURES |

- 24V AC/DC Power Supply
- Pre-calibrated
- Traffic light LCD readout
- Volt Free Contact output
- BACnet Interface (16 Address)
- Latching function with Reset input
- Analogue output
- Touch button setup and calibration
- Calibration and 'End of Life' Reminder
- Oxygen Sensor monitors for Enrichment and Depletion as standard
- Mounts onto any standard single gang junction box or conduit box
- **UK MANUFACTURED**

Dimensions

Height	125mm
Width	86mm
Depth	36mm

Technical Specification

Power Supply	24V AC/DC \pm 10%	
Power Consumption @ 24V	Catalytic (CAT)	70mA
	Electrochemical (EC)	40mA
	Infra-red (IR)	70mA
	Fluorescent (FL)	40mA
Analogue Output	0/2-10V Full Scale Linear	
VFC Output Rating	SPDT - 1A @ 24V Max	
Operating Conditions	Temp	0-40°C
	Humidity	0-95% (NC)
Response Time (T90)	< 1 Minute	
Sampling Method	Diffusion	
Warm-up Time	2 minutes	
IP Rating	IP40	
Housing Material	Flame Retardant ABS	
Approval	CE	

Installer Selectable Options

- LCD backlight Enable/Disable (White backlight)
- Failsafe option:
 - De-energise/Energise Relay
 - 0-10V or 2-10V
- Display Gas Concentration or Gas Formula
- Latching/Non-latching
- Sounder Enable/Disable
- Add 1 Minute time delay on Relay and Sounder

Part Numbers & Options/Accessories

Part No	Gas	Range	Life	Type
FGS-NG	Methane	100% LEL	5	CAT
FGS-H2	Hydrogen	100% LEL	5	CAT
FGS-LPG	Propane	100% LEL	5	CAT
FGS-C2H2	Acetylene	100% LEL	5	CAT
FGS-CO	Carbon Monoxide	300ppm	5	EC
FGS-NO2	Nitrogen Dioxide	10.0ppm	3	EC
FGS-O2	Oxygen	25.0%	5	FL
FGS-CH4IR	Methane	100%LEL	10	IR
FGS-CO2	Carbon Dioxide	5.00%	10	IR
FGS-C3H8	Propane	100%LEL	10	IR
FGS-C2H4	Ethylene	100%LEL	10	IR
FGS-SF6	Sulphur Hexafluoride	2000ppm	10	IR
FGS-CL2	Chlorine	5.00ppm	2	EC
FGS-H2e	Hydrogen	2000ppm	2	EC
FGS-NO	Nitric Oxide	100ppm	2	EC
FGS-SO2	Sulphur Dioxide	20.0ppm	2	EC
FGS-NH3	Ammonia	100ppm	2	EC