

Flamefast Gas Sensor (FGS)

| Overview |

The Flamefast Gas Sensor (FGS) is a state-of-the-art fixed gas detector suitable for use with a wide range of gases for various applications. The sensors can be powered from and interfaced directly with any Flamefast GasGuard System or Building Management System (BMS) using its digital and analogue outputs as well as being able to connect into much larger systems using a multi channel controller.

This high specification and cost effective gas detection solution offers complete protection from gas leaks and is ideally suited for both industrial and commercial applications. The user selectable features provide greater compatibility and smooth operation.



| Key Features |

- Pre-calibrated
- Quick and simple installation
- Can be powered from and interfaced directly with any GasGuard
- Enclosure suitable for plant and machine rooms
- Control Panels available for larger systems up to 16 Channels and can be used with third party controllers
- Installer selectable options inc. output type and time delays
- Low maintenance
- LED status and alarm indications
- Audible alarm

Dimensions (Standard)

Height	142 mm
Width	86 mm
Depth	53 mm

Sensor Types

Electrochemical	(EC)
Semiconductor	(SC)
Infrared	(IR)

Part Numbers & Options/Accessories

Part No	GAS	Range (ppm)	Alarm (ppm)	Type
FGS-CO	Carbon Monoxide	100	30	EC
FGS-Cl2	Chlorine	10	0.5	EC
FGS-O3	Ozone	1	0.1	EC
FGS-H2	Hydrogen	2,000	1,000	SC
FGS-LPG	LPG (R290)	2,000	1,000	SC
FGS-NG	Natural Gas (Methane)	5,000	2,500	SC
FGS-NH3	Ammonia	1,000	500	SC
FGS-R134a	Refrigerant R134a	1,000	500	SC
FGS-R410a	Refrigerant R410a	1,000	500	SC
FGS-VOC	VOCs	1,000	500	SC
FGS-CO2	Carbon Dioxide	10,000	5,000	IR

Installer Selectable Options

- Relay & Sounder Delay (None, 1, 5 or 10 minutes)
- Output Type (0/2-5V, 0/2-10V, 4-20mA)
- Sounder – Enable / Disable
- AC or DC Power Supply

Technical Specification

Power Supply	12-24V ±20% AC/DC
Power Consumption @ 24V	EC – 30Ma SC – 78Ma IR – 68Ma
Outputs (User Selectable)	0/2-5V, 0/2-10V, 4-20Ma VFC (Rated 24V 1A Max)
Operating Conditions	-20°C to 40°C 0 to 95% Humidity
Typical Sensor Life (dependant on gas)	EC – 1-3 Years SC – 5 Years IR – 10 Years
IP Rating	IP41 (IP66 & Duct Available)
Approval	CE, EX, WEEE, RoHS, EuP

Duct & IP66 enclosures and alternative gases available on request (inc Refrigerants, NO2, O2, SO2, & H2S). Please call 01925 281230 for details

THIS SENSOR MUST BE CALIBRATED AT LEAST ANNUALLY