



Vehicle-mounted multi-gas detector



The G-Shield Fire is a unique vehicle-mounted, and self-contained gas detection system that provides the occupants with an indication of the ambient gas readings of two gases simultaneously.

The all-new Gastech G-Shield Fire is a vehicle-mounted gas detection system fitted with two smart, single sensor G-Pods to detect carbon monoxide and hydrogen cyanide.

The G-Shield Fire features a bright full-colour touchscreen display that can be mounted inside the vehicle cabin to provide the occupants of the vehicle with accurate real time information about ambient air conditions.

The touchscreen display can be mounted directly into the vehicle dashboard or in the custom enclosure that features a combined audible and visual alarm.

The touchscreen display can drive external customer supplied alarms if preferred.

Remote viewing and acknowledgment of alarms at different positions on the vehicle are smart options of the G-Shield Fire design.

The G-Shield Fire is proudly designed and manufactured in Australia by Gastech, with the latest technology and highest quality standards.

The G-Shield Fire is designed with versatility in mind. It can be configured to suit unique applications and environments including refuge chambers.

Like all Gastech products, the G-Shield Fire is designed for support. With an easy-to-use platform, simple installation and exceptional after-sales support, you can truly rely on the G-Shield Fire.

KEY FEATURES

- In-cabin monitoring of external sensors
- Supports HCN and CO gases
- Full-colour touchscreen display
- Relay alarm outputs
- Optional touchscreen display housing with integrated audible and visual alarm
- Warning and Danger alarm points
- G-Pods are pre-calibrated
- Compact and durable

G-SHIELD FIRE

SPECIFICATIONS Specifications are subject to change without notice.

Product

Use Self-contained gas detection system designed for use onboard automotive vehicles. Provides in-cabin monitoring of external toxic gases.

Electrical

VBAT 9 to 30VDC
ACC 9 to 30VDC

Max Power Consumption HMI: Typically 2W
 Sensor Platform: <1W

Output Relays 5A @ 250VDC
 5A @ 30VDC
 0.2A @ 300VDC

Construction

Material HMI: ABS
 Sensor Platform: SS316L

Weight HMI: 220g
 Sensor Platform: 230g

Mounting HMI: Panel Mounted (W116mm x H77.5mm x D20mm)
 HMI: Enclosure Mounted VESA 75 Compliant
 Sensor Platform: M25x1.5P Thread

Environmental

IP Rating HMI: IP40
 Sensor Platform: IP66/IP68 (1.2 m for 1½ hrs)

Temperature Range HMI: 0°C to +40°C
 Sensor Platform: -20°C to +70°C (-4°F to +158°F)
 G-Pods: See below

Note: G-Pods will continue to operate beyond their stated operating temperature range, but G-Pod accuracy is not guaranteed.

Humidity Range HMI: 5% rh to 95% rh
 Sensor Platform: 5% rh to 95% rh

Available Sensors

Gas	Range	Calibration Point	Operating Temperature Range		Alarm Levels	
			Minimum	Maximum	Warning	Danger
Carbon Monoxide	0-500 ppm	100 ppm	-30°C	+50°C	30 ppm	200 ppm
Hydrogen Cyanide	0-30 ppm	10 ppm	-40°C	+40°C	4.7 ppm	10 ppm



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