

GAS PROVING SYSTEMS



PGF-10

Gas Pressure Proving
Leak Detection
Air Quality Monitoring

Gas Pressure Proving

For use with LPG - Methane or Laboratory gas supplies, both high and low pressure ensuring system integrity prior to running.

Continuously Monitor For Gas Leakage Using State of the art LPG or Methane Gas detectors.

Use gas leakage detectors to continuously monitor for gas leakage within the area.

Control Mechanical Ventilation Rates Based on Room CO2 Levels.

Control the area ventilation rate to minimise energy usage and ensure an optimum working environment.

Interlock Mechanical Ventilation with the Gas Supply Valve

Ensure fume hood - cabinet extract fans are running before the gas supply is enabled.

Specification

Power Source	85 to 264 V AC
Power Consumption	20 Watts
Display	4 x 16 LCD
Operating Temperature	0°C to 55°C
Operating Humidity	Up to 95% non-condensing
Size (mm)	255 (H) x 180 (W) x 100 (D)
Protection	IP54
Inputs	Pressure Measurement Input 0-50mBar Standard or Differential Gas Detector Loop Input Ventilation Loop Input Emergency Stop Loop Input
Output	1 x configurable SPCO relay (10 Amp non inductive load)
CE Declaration	BS EN61000-6-4 EMC Compatibility 'Emissions' BS EN 61000-6-2:2001 EMC Compatibility 'Immunity' BS EN 61010-1: 2001 Safety requirements, electrical equipment BS EN 61010-1: 2001 Safety requirements, electrical equipment
Weight	4.6 KG

Sensors Options For

- Gas Pressure
- Air Pressure
- Air Flow
- Flammable Gases
- Toxic Gases
- Temperature
- Humidity
- Motor Current

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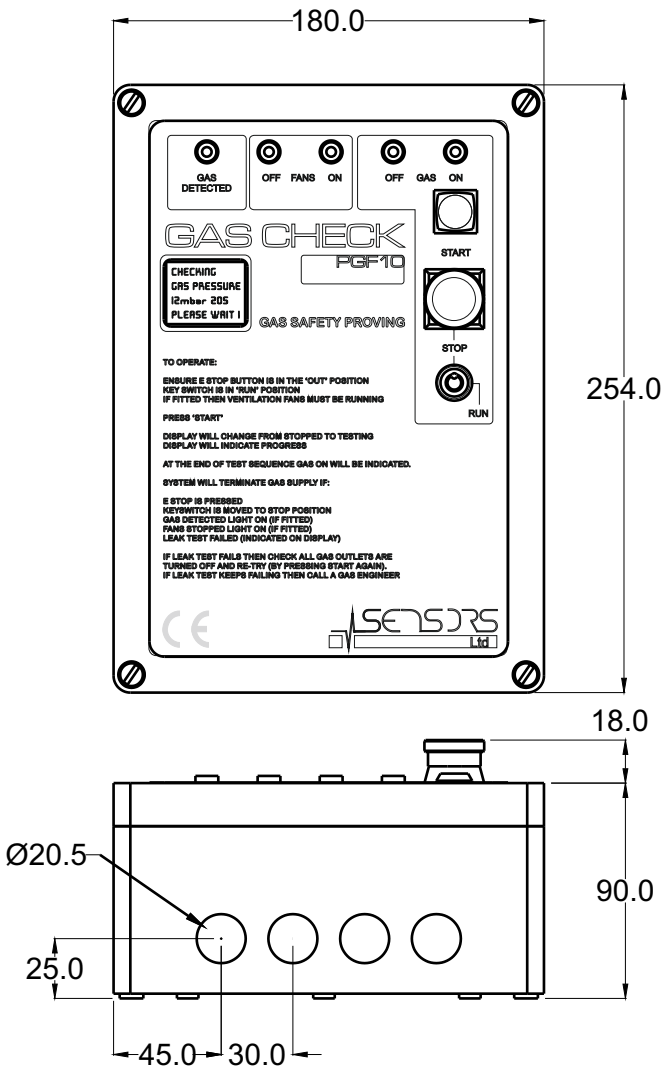


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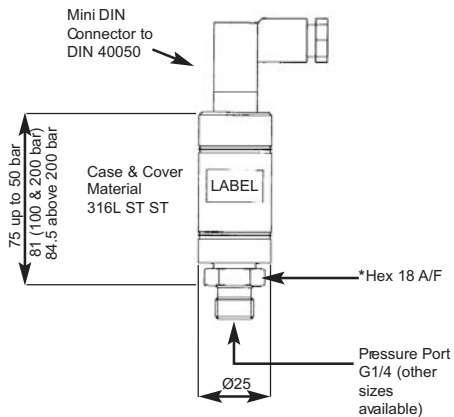
GAS PROVING SYSTEMS



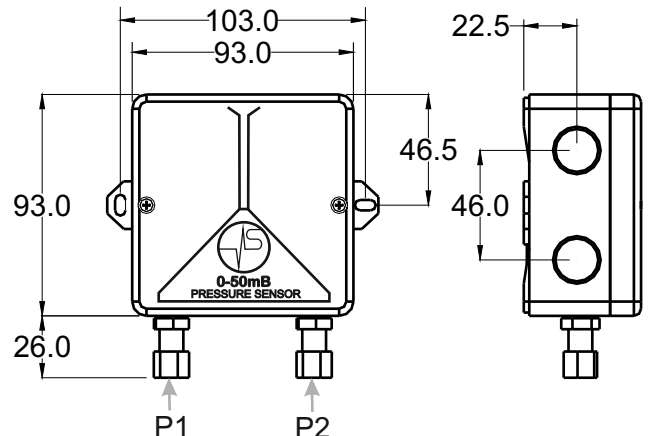
ORDER CODES

5926901	MODEL PGF10 Pressure, Gas and Flow Monitoring-Proving
5927301	MODEL PG10 Pressure & Gas Monitoring-Proving
5927701	MODEL P10 Pressure Proving
5927401	MODEL FG10 Flow Monitoring and Gas Detection
5927501	MODEL F10 Fan Interlock System
5927001	0-50mBar Pressure Transducer
5928701	0-10BarG Pressure Transducer
5928801	0-40BarG Pressure Transducer

High Pressure Transducer
(Pressures Above 100mBar)



Low Pressure Transducer
(Pressures Below 100mBar)



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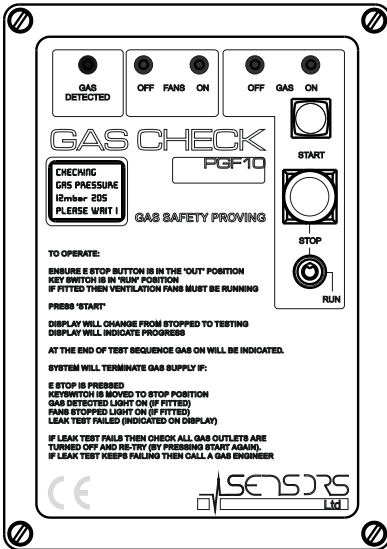
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GAS PROVING SYSTEMS

MODEL INFORMATION

- Option Fitted
- Option Not Fitted

5926901 MODEL PGF10

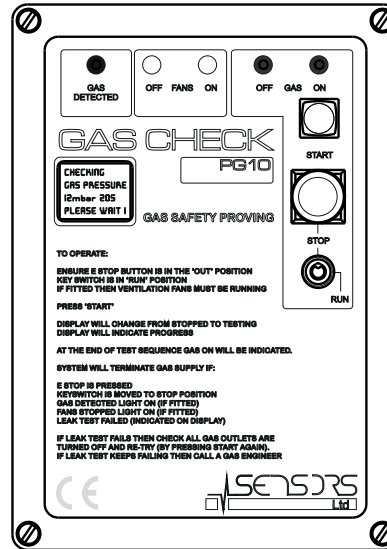


Supplied with controller add pressure transducer to suit pressure range required.

Fan and Gas Detector interlocks Installed.

Pressure proves gas installation, vent fans must be running and no leak from gas detectors. Emergency stop function and security key.

5927301 MODEL PG10

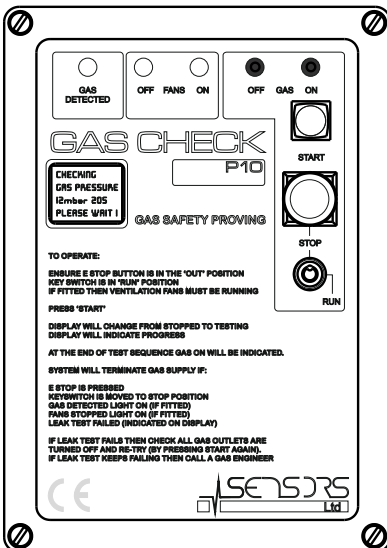


Supplied with controller add pressure transducer to suit pressure range required.

Gas Detector interlock Installed.

Pressure proves gas installation and checks no leak from gas detectors. Emergency stop function and security key.

5927701 MODEL P10



Supplied with controller add pressure transducer to suit pressure range required.

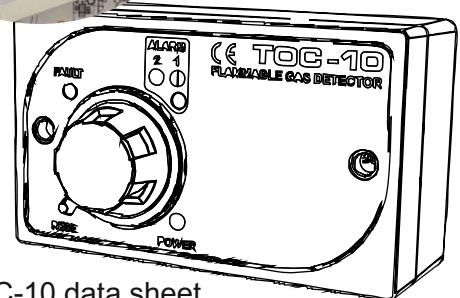
Pressure proves gas installation prior to initiating gas supply.

Emergency stop function and security key.

Master Switch Panels



Gas Detectors



Full details refer to TOC-10 data sheet

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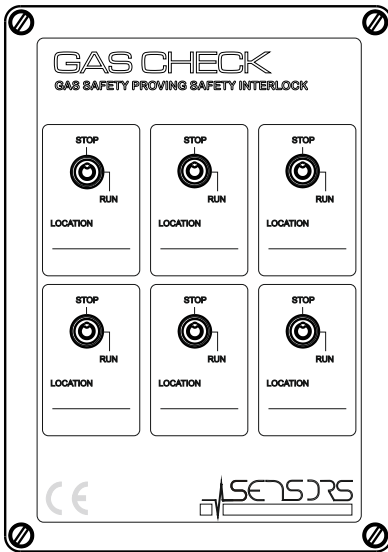


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GAS PROVING SYSTEMS

- Option Fitted
- Option Not Fitted

5923601 MASTER SWITCH



Master switch panels are usually used as interlocks to a number of gas proving panels and allow an extra level of security.

The master switch for the location must be in the run position for the local gas proving or fan interlock panel to be active.

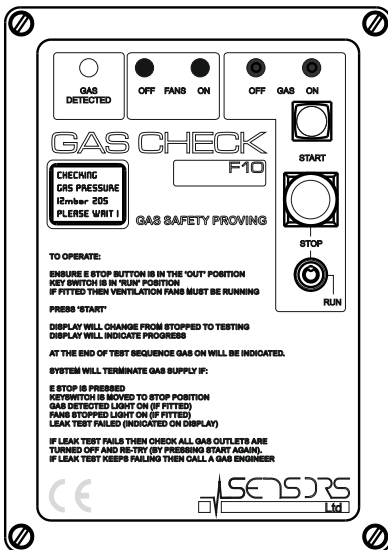
MODEL INFORMATION

OPTIONS

ORDER CODES

5921602	MODEL TOC-10 Methane Gas Detector
5921601	MODEL TOC-10 LPG Gas Detector
5924101	Current Monitor (Fan Flow Operation)
5923601	Master Switch Isolation Panel

5927501 MODEL F10

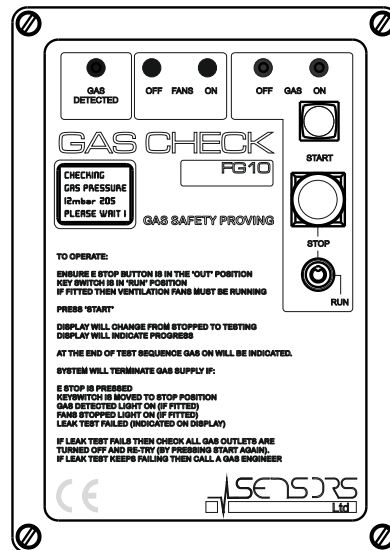


Supplied with controller. Fan interlocks Installed.

Ventilation fans must be operating before gas supply can be initiated.

Emergency stop function and security key.

5927401 MODEL FG10



Supplied with controller. Fan and Gas Detector interlocks Installed.

Fans must be operating before gas supply can be initiated. system checks for leak indication from any fitted gas detectors (TOC-10).

Emergency stop function and security key access.

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