The S4S GasVac system is designed to monitor gas levels in situations where the positioning of conventional gas sensors may not be practical. This may be due to equipment security, cable routing, access for detector head installation/maintenance, harsh environment or a cost effective means of monitoring plant rooms, supermarkets, cool stores and designated hazardous areas, such as tunnels, marine applications, underground/high level voids.

**Operation**
A gas sample is continuously extracted via a unique micropore sample technique having any number of intake modules along its sample line network (see data sheet S4S1593). The sampling unit provides a gas level reading with three alarm trip points, and a range of signal outputs for annunciator or control functions.

A wide range of sensors can be fitted to suit customer requirements which include infra red, electrochemical, catalytic and other specialist sensors.

The system is supplied factory programmed and pre-calibrated to enable immediate operation by connection of a power supply and attachment of the sample line and its intake module network.

**Measuring Range**
- Combustible Gas - LEL, % Vol, ppm Toxic / Refrigerant Gases - ppm
- Oxygen - % vol - Depletion or Enrichment
- Any 4~20mA source input signal

**Indicators**
- Two line alpha numeric back lit display
- Power - Green LED.
- Alarms 1, 2, 3 - Red LEDs
- Fault - Amber LED
- Alarms inhibit - Amber LED

**Audible Alarm**
- 1, 2, 3 and Fault Alarms - mutable
- 85dB @ 10cm

**Power Supply**
- 230/115v AC 50/60 Hz
- 24v nominal 15 to 30vDC
- The two voltages may be utilised simultaneously - standby supply

**Intake Module**
- All weather – Design Reg 6009030
- Orientation – any
- Size – 100mm L x 32mm D

**NOTE:** This datasheet is non-contractual
**Outputs**

1, 2, 3 and fault alarm relays – SPCO normally de-energised - energised option, latched or unlatched
All contacts rated 3A - 230v AC
Analogue 4-20mA
CANbus S4S Guardian® - Plus system
Logging Intervals - variable time
Roll over/stop
Storage ~2,880 readings
Requires RS232 lead
PC or laptop
Hyperterminal - downloaded from S4S website

**Flow Monitor**

Alarm relay – SPCO N/D - N/E option
Contacts 3A – 230vAC
5/12 volts selectable output PF/FF/PF+FF

**Inhibit**

Isolation of alarm relays during service

**Protection**

IP52

**Cable Entry**

Rear, side, top, bottom

**Sample Tube**

6mm OD 4mm ID
Max. length 100m

**Exhaust port**

6/8mm OD

**Miscellaneous**

Dimensions 315mm W | 265mm H | 95mm D
Weight 3.8kg
System function test

**Accessories**

Weatherproof overhousing IP66
Sample line flame arrestor
Snorkel valve water trap
Auto drain unit

**Control Unit PCB**

![Control Unit PCB Diagram]

**Typical System Network**

![Typical System Network Diagram]

**NOTE:** This datasheet is non-contractual

www.sensorsforsafety.co.uk
E: sales@sensorsforsafety.co.uk T: 01423 206360 F: 01423 206370
Sensors for Safety Ltd | Knaresborough Tech Park | Manse Lane | Knaresborough | N.Yorks | HG5 8LF | UK