GasVac®

SINGLE LINE NETWORK GAS SAMPLE UNIT



Specification Sheet ref C1729A v.2

- · Continuous multi point monitoring
- No valves no cycle time delays
- Flammable, toxic and refrigerant gases
- · Easily installed and maintained
- 3 alarm levels & relays
- 4~20mA analogue output
- Data logging
- Line blockage and pump fail monitor
- Delay to alarm option



Operation

The GasVac system is designed to continuously monitor gas levels in situations where the positioning of conventional gas sensors may not be practical or a high target area coverage is required.

Typical applications would be perimeter monitoring of landfill sites, fuel farms, storage terminals, process plants, individual storage tanks, silos, spheres, reactor vessels, tunnels, towers. With many other applications having harsh environments or hazardous area classification.

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 or linear sensor line.

Measuring Range

Combustible Gas - LEL, % Vol Toxic / Refrigerant Gases - ppm 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



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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 GDS Combi system
Logging Intervals - variable time

Roll over/stop

Storage - 2,880 readings

Requires RS232 lead

PC or laptop

Hyperterminal - downloaded from

GDS website

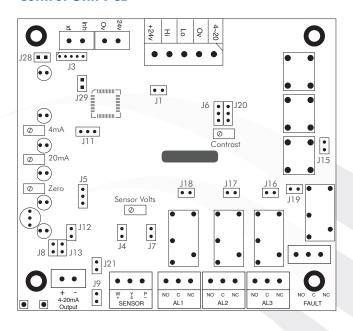
Flow/Pump Monitor

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

Cable Entry

Rear, side, top, bottom

Control Unit PCB



Sample Tube

6mm OD 4mm ID Max. length 200m (linear) Unlimted length (intake modules)

Exhaust port

6/8mm OD

Miscellaneous

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

System function test

IP52

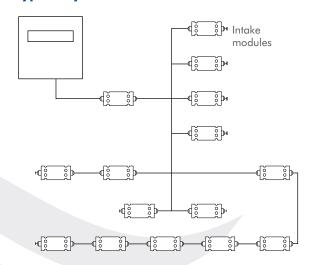
Accessories

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

Intake Module

Maximum number 100
All weather – Design Reg 6009030
Orientation – any
Size – 100mm L x 32mm D
Specials – unlimited length – see MIcropore sampling data sheet C1593

Typical System Network









Patent pending. Design Reg. 6009030

This document is not contractual and the equipment specification may be modified at any time without prior notice.