

- Monitor up to 4 gas types
- Wide range of sensor types
- 4 line alpha/numeric display
- Easily installed and maintained
- Full indication of all operations
- Event logging / Modbus / RS232 / RS485
- Line blockage and pump fail monitoring
- High integrity, comprehensive self check fault monitoring
- Remote control panel – optional
- Auto flood cut off – optional
- Auto drain – optional
- Enclosure internal flammable gas monitoring with automatic system shutdown



Typical Monitoring CH₄, H₂S, CO₂, O₂

- Biogas Plants
- Landfill gas monitoring
- Anaerobic digestion
- Waste Water Plants
- CHP engine protection and efficiency
- Fuel gas analysis

Operation

The GDS308 is designed to continuously monitor up to four gases by sample extraction along a single sample line. The central unit provides gas level readouts with two alarm stages and a range of signal and data outputs for logging annunciator and control functions.

Measurements

1~4

Sensors

Combustible gas % vol
Toxic gas – ppm
Oxygen – % vol

Power Supply

230/115vAC 50/60Hz

LED Indicators

System healthy
Mains power
Standby power
High gas alarm
Low gas alarm
System, flow, sensor fail
Comms fail
Sampling

Display

- 4 line alpha/numeric indicates all functions and status in text.
Sample line locations (user settable)

User interface

- 8 panel mounted push buttons – main panel and remote panel:-
Reset, Scroll, Hold, Dim, Enter, Down, Up, Select
- PC – event log / data log, data to and from system controls

Relay Outputs

- Global Low S.P.C.O.
- Global High S.P.C.O.
- Global Fault S.P.C.O.
- Flow Fail S.P.C.O.
- Power Fail S.P.C.O.
- Cabinet Sensor S.P.C.O

Communication

- RS232– Data Stream
- Modbus 2 x RS485
- CANbus – internal
- Optional 4~20mA analogue outputs

General

- Audible alarm all alarm conditions
- LED/display dimming
- User/Eng password
- LCD backlight
- Event logging
- Sample line size 6mm OD 4mm ID
- Nylon, PTFE, Copper, Stainless Steel. Max length 100m specials 100m+
- Sample vent x 2-8mm
- Tubing entry enclosure base
- Response time 15 to 45 seconds
- Colour - powder coat ash grey BSA01
- Size 400mm H x 450mm W x 200mm D
- Weight 20kg
- IP 63 Optional IP66 overhousing
- Wall mount - four brackets

Standards

- EN60945: 2002
Maritime general requirements
- EN61010: 2001
Electrical Safety - LVD

