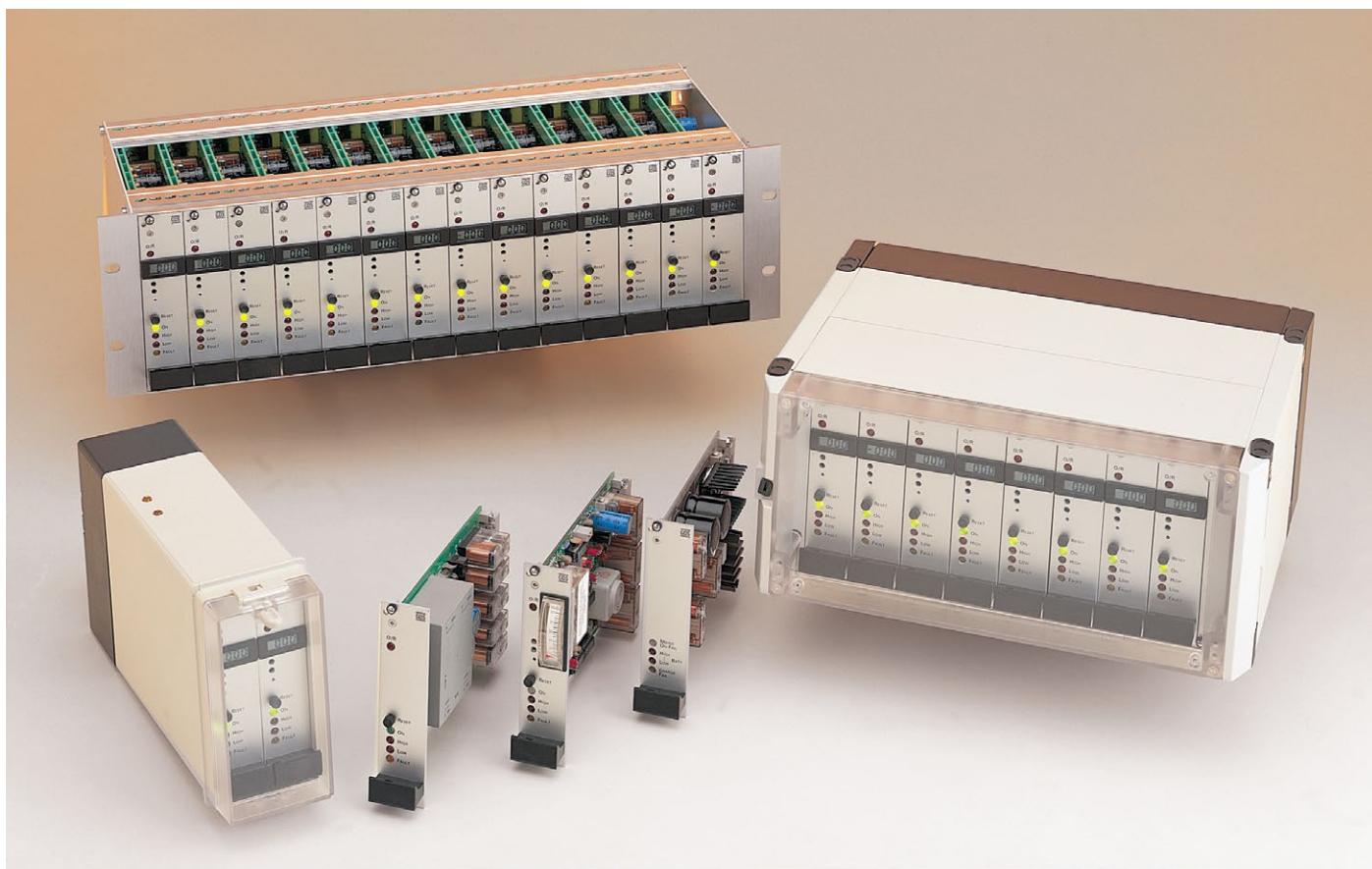


GDS 2000 SERIES

MULTI CHANNEL GAS MONITOR



Specification Sheet
ref C172



The GDS 2000 has been designed with features which provide an effective response to the problems involved in detecting gases in industrial environments covering boiler houses through to offshore petrochemical installations.

- 3 Adjustable alarm trip points
- Standby Battery Charger Module
- Data logger module

A 3U Eurocard modular gas alarm system, having the flexibility to operate as a single or multichannel system. Each alarm module operates independently without the need for a common controller/server or reporting facility, resulting in a high integrity system.

Common alarm functions are available via an optional multifunction facilities module which provides status supervision to any number of alarm cards and may be inserted at any point within the system or used remotely as a control and indicator panel having reset functions.

Measuring Range

Combustible Gas - LEL, % Vol, ppm
Toxic Gas - ppm, % Vol
Oxygen - % vol - Depletion or Enrichment
Any 4~20mA input signal

Indicators

Digital Display 31/2 Digit
Power - Green L.E.D.
Switch on delay power indicator flashing - 45 secs
Alarms Lo/Hi - Red L.E.D.s
Fault - Amber L.E.D.
System Test - Alarm L.E.D.s flashing
Alarm relay inhibit - Fault L.E.D. on

Audible Alarm

Low, High and Fault Alarms

Power Supply

Low, High and Fault Alarms

Power Consumption

4 watts - full alarm

Detector Modules

1 to 14 per 19" tray

Measurements

Combustible Gas - % L.E.L

Toxic - ppm
Oxygen - % Vol

Power supply

230/115/22vAC
or 24vDC±17%
4W per module-max

Indicators

Power (Green L.E.D)
Switch on delay
Power indicator flashing
Green/Amber
Alarm Relay Inhibit
Power indicator constant Red
Alarms Lo-Hi (Red L.E.Ds)
Overrange (Red L.E.D) Alarm 3
Fault (Amber L.E.D)

Sensor Inputs

Bridge type detector 3 wire pellistor / semiconductor (mV)
4-20mA -electrochemical/Infra red
2 wire - loop powered
3 wire - current source

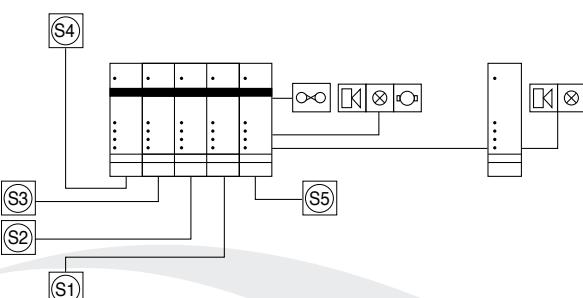
Sensor Cable

Screened 1.5mm²
Bridge - 1km
4-20mA - 2.5km

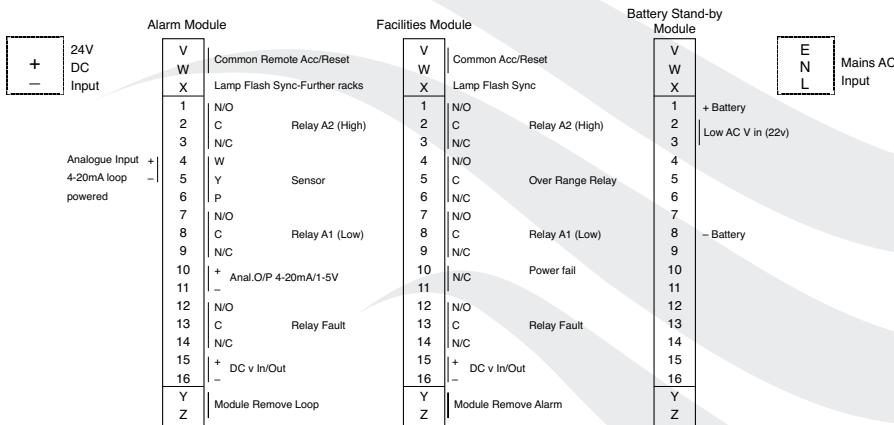
Sensor Siting

- 1 Low level for heavier than air gases
- 2 Head height for gases having a similar density to that of air
- 3 Head height for oxygen monitoring
- 4 High level for lighter than air gases

For further information - guidance note C315 is available on request



Alarm/facilities/stand-by battery charger - Field Terminals



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

