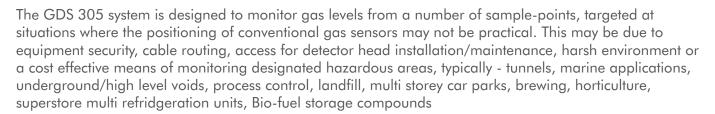
# **GDS 305**

## SEQUENTIAL GAS SAMPLING SYSTEM 1-48 WAY



Specification Sheet ref C850Cv1

- 1-48 sample points
- Monitor up to 8 gas types
- No sample line purge delay
- Wide range of sensor types
- 4 line alpha/numeric display
- Selectable sample line sequence
- Display of each sample line location
- · Easily installed and maintained
- Full indication of all operations
- Event logging / Modbus / RS232 / RS485
- Line blockage and pump fail monitoring
- Variable sample time for optimum cycle time
- · High integrity, comprehensive self check fault monitoring
- Centralised one man calibration offers minimum running costs
- Split system operation optional
- Line blockage, blow back optional
- Hazardous area operation optional
   Auto flood cut off optional
- Remote control panel optional
- LED/text indicator panel optional
- Enclosure internal gas monitoring with automatic system shutdown optional
- Sample line multiplier optional



#### **Operation**

Gas samples are sequentially extracted for a timed period by a central control unit via fixed sample lines. A high rate sample is taken by the main pump during which a reduced rate sample is passed across the sensor device. The central unit provides gas level readouts with two alarm trip points per line, providing a range of signal outputs for annunciator and control functions.

### Sample points

1-48

#### **Sensors**

1-4 4~20mA input / 1-8 CANbus

#### **Measurements**

Combustible gas - LEL % vol Toxic gas – ppm % vol Oxygen - % vol Depletion/enrichment Refrigerant – ppm

## **Power Supply**

230/115vAC 50/60Hz 300W max

#### **LED** Indicators

System healthy Main power Standby power High gas alarm Low gas alarm System, flow, sensor fail Comms fail Skip/hold Sampling



Specification Sheet ref C850Cv1

## **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.
- 32 programmable relays
- Additional 32 optional

#### **Communication**

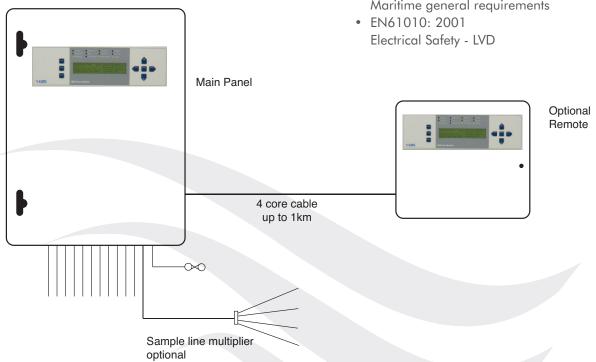
- RS232- Data Stream
- Modbus 2 x RS485
- Can bus internal

#### **General**

- · Audible alarm all alarm conditions
- LED/display dimming
- User/Eng password
- LCD backlight
- Event logging
- Sample line size 8mm OD 6mmID
- Maximum length 300m
- Nylon, PTFE, Copper, Stainless Steel
- Sample vent x 2-10mm
- Tubing entry enclosure base, side option
- Response time 15 to 45 seconds
- Colour powder coat ash grey BSA01
- Size 800mm H x 600mm W x 350mm D
- IP 63
- Wall mount
- · Weight 65kg

## **Standards**

EN60945: 2002
 Maritime general requirements









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