D-Guard[™] Digital gas detector



Zero stability logicsOne man calibrationeNon intrusive calibrationeGraphical backlit displayHNo alarm calibrationsSimple user optionseOne board does allNNo tool calibrationeIsolate featureeIntrinsically safeeFully programmable processor controleHigh impact non-static housingeWater resistant IP 66 designfTwo year warranty(**)c

GasTech Australia's latest series of gas detectors: The Digital Guard (D-Guard[™]). This new style of gas detector uses an advanced processor and program logic, making the choice of a reliable detector simple.

Our engineers have developed high end electronics and a program that monitors the sensor's outputs and is tailored to and pre-programmed to many different gas types. The program and electronics process the sensor's output trends and calculates accurate and stable readings which are displayed on the permanently backlit graphic display. This is transmitted back to the processor using the industry standard 4-20mA.

Mechanical design:

One card to suit all applications is the philosophy. Many of our customers are in remote locations around the world and holding stock for all the different kinds of detectors and ranges that they have on site is expensive and difficult to manage. In the D-Guard[™] design this card had to be easily configured for the different gasses, ranges, sensors styles and must have enough program memory to hold the logic for each type of gas. Our engineers were able to achieve all this, with enough resources still available to implement many future features. Each card will be simple to upgrade as needs change.

Housing is a IP 66 carbon impregnated anti static Nylon, which is UV stable. The design of the housing was designed to meet the most challenging conditions encountered in off shore oil rigs.

End user features:

No tool calibration or set up. No screwdrivers, No meters, no special programming tools required to calibrate.

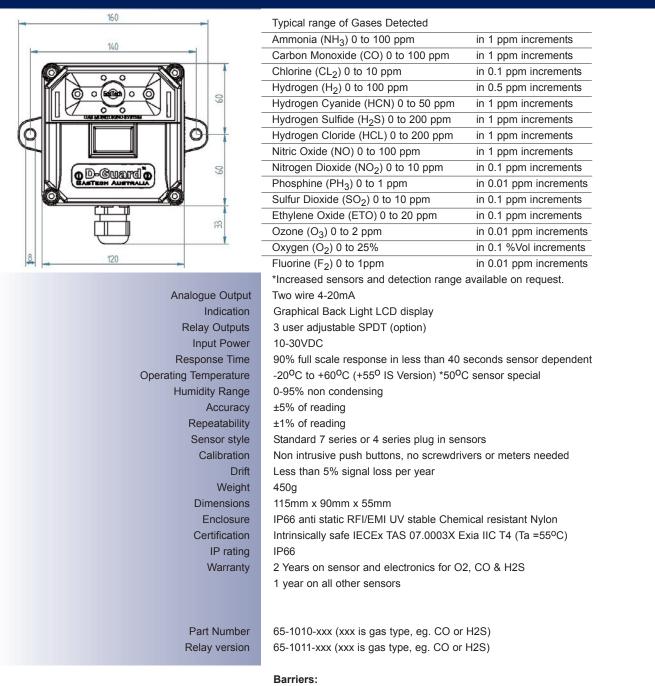
Backlit display. This feature is not available on most loop-powered devices due to high power consumption but it is one of the most requested features, due to operations at night or in dark areas. Our engineers used the latest low power components leaving sufficient resources to implement a back light.

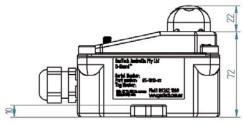
No alarms during calibration. This is probably one of the most useful features of this system. Once you open the calibration door the D-GuardTM locks the output signal at zero gas reading until the calibration process is finished. Our engineers have implemented a fail-safe logic to maintain constant monitoring. There is also an Isolate switch, which will permanently isolate all signals and alarms until the operator reactivates the unit.



D-Guard[™]

Sensor & 4-20mA Transmitter Specifications





** 2 years on O2, CO, H2S and electronics ** 1year on all other sensors

57-9010-02 IS Barrier and repeaters +100 Ohm load

57-9010-01 IS Barrier Zenner less than 100 Ohm (4100R controller only)

Distributed By

HEAD OFFICE Telephone +61 8 6108 0000 Facsimile +61 8 9408 1868 Email info@gastech.com.au 24 Baretta Road Wangara, Western Australia 6065

NSW OFFICE Telephone +61 2 9451 0054 Facsimile +61 2 9450 0833 Email info@gastech.com.au 21/25, Narabang Way Belrose NSW 2085



Specifications subject to change without notice (FEB 14)