GG2 DISPLAY

Environmental Monitoring

Summary

The Gasguard 2 (GG2) Display Module is an intrinsically safe apparatus for the purpose of displaying and transmitting sensor data and system information. The GG2 Display consists of a certified GG2 Display Module and associated wiring installed within an IP66 rated stainless steel enclosure.

The GG2 Display is available in three variants: a glanded display supporting iMAC/RS485 communication and two pluggable versions supporting 4-20mA+iMAC and 4-20mA+RS485 communication. The display connects to a variety of compatible detectors via the robust proprietary connector.

An optional Remote Cable Assembly is available for mounting GG2 Detectors up to 10 metres from the GG2 Display.

Customised gas panels and systems are also available.
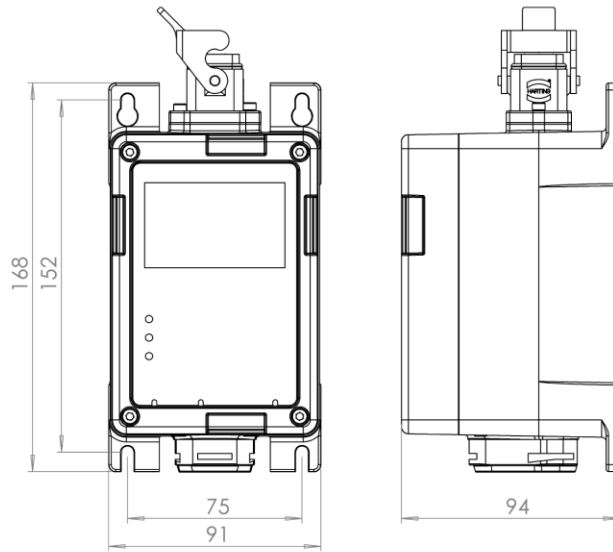
Features

- Intrinsically Safe Ex ia I Ma
- Tested to the performance requirements of AS 4641 and AS/NZS 60079.29.1
- Robust stainless steel construction
- Failsafe architecture and digital interface with extensive self-diagnostic routines
- Economical
- LCD display
- 4-20mA, iMAC and RS485 communication support
- Wide range of detectors:
  - Electrochemical
    - Carbon Monoxide (CO)
    - Oxygen (O_2)
    - Hydrogen Sulphide (H2S)
  - Catalytic
    - Methane (CH_4)
  - Non Dispersive infrared
    - Methane (CH_4)
    - Carbon Dioxide (CO_2)
- Backwards compatible with Ampcontrol's existing Gasguard equipment* (See Note)

Example System Overview (iMAC Communication)

iMAC Fieldbus

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Approximate Dimensions

*Note: While mounting points remain the same, the additional space required by the GG2 Display/Detector assembly must be taken into account. The remote head assembly will require a bracket modification to mount the detector.

Specifications

Electrical	
Supply Voltage	10 - 16.5VDC
Power Consumption (max)	12mA
Mechanical and Environmental	
Dimensions (H x W x D)	168mm x 91mm x 94mm
Weight	3kg
IP Rating	IP66
Housing Material	Cast Stainless Steel
Operating Temperature	-20°C to +40°C
Humidity Range	15% to 90% r.h. non-condensing
Pressure Range	±20kPa
Communications (iMAC L1)	
Hardware interface	2 wire (+/-18VDC I.S. or +/-21VDC non-I.S.)
Line Speed	300 - 1000 baud
Bit protocol	iMAC proprietary
L1 Isolation	5.3kV RMS
L1 Line Loading (baud)	1mA (300 - 1000 baud)
Certification	
IECEx	IECEx ExTC 18.0003X
Find Out More	

For more information on this product, contact Ampcontrol Customer Service on +61 1300 267 373 or *customerservice@ampcontrolgroup.com* or visit the Ampcontrol website: www.ampcontrolgroup.com

Equipment List

Customised gas panels and systems are also available as well as sample draw panels. These can be designed specifically to your gas sensing needs.

Refer to **GG2B026 GG2 Monitoring Solution Technical Datasheet** for a detailed equipment list.