

GG2 MONITORING SOLUTION

Environmental Monitoring

Description

The Gasguard 2 (GG2) monitoring solution comprises an intrinsically safe GG2 Display Module which allows for the display and transmission of sensor data and system information. The Display Module interfaces to a range of GG2 Detectors for monitoring the atmospheric concentration of the target gas. Ampcontrol supplies a range of accessories for installing, operating and configuring the GG2 Detectors.

The GG2 Display module is housed within an IP66 rated stainless steel enclosure and 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. Refer to the equipment list below for part numbers.

Ampcontrol's range of GG2 Detectors include:

- Electrochemical Detectors
 - Carbon Monoxide (CO)
 - Oxygen (O₂)
- Catalytic Detectors
 - Methane (CH₄)
- Non Dispersive infra-red Detectors
 - Methane (CH₄)
 - Carbon Dioxide (CO₂)

Detectors are available individually or in kits with the GG2 Display. Refer to the equipment lists below for part numbers. 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.

For more information, refer to the following Documents:

- GG2B023 GG2 Display User Manual
- GG2B011 GG2 Detector User Manual
- GGSB017 Display Module Technical Datasheet
- GG2B018 Catalytic Detector (CH₄) Technical Datasheet
- GG2B019 Electrochemical Detectors (CO, O₂) Technical Datasheet
- GG2B020 Non-Dispersive Infra-red Detectors (CH₄, CO₂) Technical Datasheet



Equipment List – Displays

Display		Display with Remote Cable Connection	
Part #	Description	Part #	Description
178983	GG2 Display 4-20mA + RS485	181639	GG2 Display Remote 4-20mA + RS485
178984	GG2 Display 4-20mA + iMAC	181638	GG2 Display Remote 4-20mA + iMAC
178985	GG2 Display Glanded RS485/iMAC	181637	GG2 Display Glanded Remote RS485/iMAC

Equipment List – Detectors

Part Number	Description
177870	GG2 Detector NDIR CH ₄ 5%
177871	GG2 Detector CAT CH ₄ 5%
177872	GG2 Detector EC O ₂ 25%
177873	GG2 Detector EC CO 50ppm
177874	GG2 Detector EC CO 100ppm
180733	GG2 Detector NDIR CO ₂ 5%
180734	GG2 Detector NDIR CO ₂ 2%

Equipment List – Display & Detector Kits

Display & Detector		Display & Remote Detector	
Part #	Description	Part #	Description
181595	GG2 Detector Kit CAT CH4 5% with Glanded Display	181616	GG2 Remote Detector Kit CAT CH4 5% with Glanded Display
181596	GG2 Detector Kit EC CO 100PPM with Glanded Display	181617	GG2 Remote Detector Kit EC CO 100PPM with Glanded Display
181597	GG2 Detector Kit EC CO 50PPM with Glanded Display	181618	GG2 Remote Detector Kit EC CO 50PPM with Glanded Display
181598	GG2 Detector Kit EC O2 25% with Glanded Display	181619	GG2 Remote Detector Kit EC O2 25% with Glanded Display
181599	GG2 Detector Kit CH4 5% with Glanded Display	181620	GG2 Remote Detector Kit NDIR CH4 5% with Glanded Display
181600	GG2 Detector Kit NDIR CO2 2% with Glanded Display	181621	GG2 Remote Detector Kit NDIR CO2 2% with Glanded Display
181601	GG2 Detector Kit NDIR CO2 5% with Glanded Display	181622	GG2 Remote Detector Kit NDIR CO2 5% with Glanded Display
181602	GG2 Detector Kit CAT CH4 5% with iMAC Display	181623	GG2 Remote Detector Kit CAT CH4 5% with iMAC Display
181603	GG2 Detector Kit EC CO 100PPM with iMAC Display	181624	GG2 Remote Detector Kit EC CO 100PPM with iMAC Display
181604	GG2 Detector Kit EC CO 50PPM with iMAC Display	181625	GG2 Remote Detector Kit EC CO 50PPM with iMAC Display
181605	GG2 Detector Kit EC O2 25% with iMAC Display	181626	GG2 Remote Detector Kit EC O2 25% with iMAC Display
181606	GG2 Detector Kit NDIR CH4 5% with iMAC Display	181627	GG2 Remote Detector Kit NDIR CH4 5% with iMAC Display
181607	GG2 Detector Kit NDIR CO2 2% with iMAC Display	181628	GG2 Remote Detector Kit NDIR CO2 2% with iMAC Display
181608	GG2 Detector Kit NDIR CO2 5% with iMAC Display	181629	GG2 Remote Detector Kit NDIR CO2 5% with iMAC Display
181609	GG2 Detector Kit CAT CH4 5% with Modbus Display	181630	GG2 Remote Detector Kit CAT CH4 5% with Modbus Display
181610	GG2 Detector Kit EC CO 100PPM with Modbus Display	181631	GG2 Remote Detector Kit EC CO 100PPM with Modbus Display
181611	GG2 Detector Kit EC CO 50PPM with Modbus Display	181632	GG2 Remote Detector Kit EC CO 50PPM with Modbus Display
181612	GG2 Detector Kit EC O2 25% with Modbus Display	181633	GG2 Remote Detector Kit EC O2 25% with Modbus Display
181613	GG2 Detector Kit NDIR CH4 5% with Modbus Display	181634	GG2 Remote Detector Kit NDIR CH4 5% with Modbus Display
181614	GG2 Detector Kit NDIR CO2 2% with Modbus Display	181635	GG2 Remote Detector Kit NDIR CO2 2% with Modbus Display
181615	GG2 Detector Kit NDIR CO2 5% with Modbus Display	181636	GG2 Remote Detector Kit NDIR CO2 5% with Modbus Display

Equipment List – General

Part Number	Description
181545	GG2 Gas Station NERZ/ERZ IMAC DI4 ISA
181546	GG2 Gas Station IMAC CO O2 CO2 CH4
181547	GG2 Gas Station IMAC CO ISA
178994	GG2 Remote Sensor Cable Connection Module
177876	GG2 Connector Dust Cover
190508	GG2 Magnetic Calibration Tool
177878	GG2 Retainer Clip
177875	GG2 Calibration Cup

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