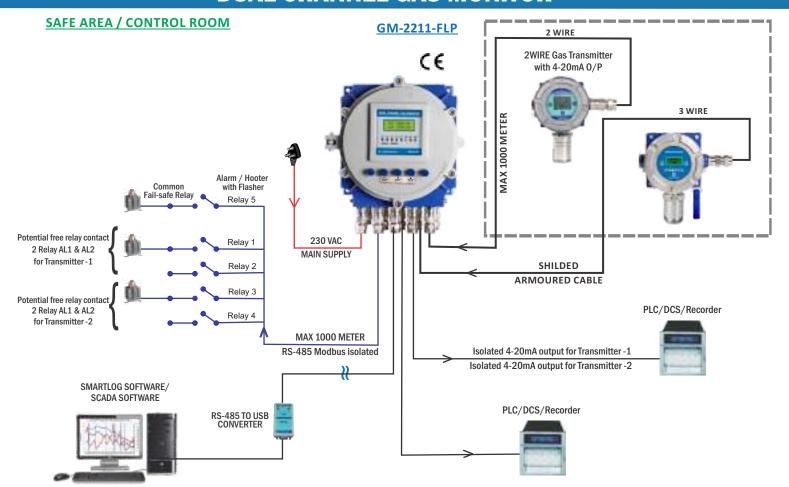
DUAL CHANNEL GAS MONITOR



Features

- Display of Gas Concentration along with its Unit & 'Gas Name' for both Channels.
- Microcontroller Based Latest, Accurate, Reliable & High Performance Technology that Eliminates False Alarm.
- Advance Warming & Alarm Output.
- Audio Visual Alarm Indication
- Two Independent Alarm Relay Output.
- Optional programmable Voltage & Current Output with Configurable Range.
- Easy Handling & programming with 3 keys.
- Can be programmed using Remote Control from 10 meter in line of site distance.
- Password protected programming menu.
- Optional Isolated RS 485 Communication Port with Modbus RTU Protocol.

Approval & Compliance

• Approvals: • Compliance for Flameproof Certified to Ex d IIC T6 Gb, IP66

Standard Compliance: • IS/IEC 60079-0:2011

• IS/IEC 60079-1:2014 Ex d IIC T6 Gb (Flameproof Protection)

• IS/IEC 60079 : 2001 IP66 AND IP68 (Ingress Protection)

- Compliance with the IEC 60945 Standard for Marine application
- CIMFR CERTIFICATE NO.: CIMFR/TC/P/1923 Dt.: 26/08/2019
- PESO CERTIFICATE NO.: P468728/1 Dt.: 21/02/2020

Applications

- Refineries
- Paint Shop
- · Sewage Plants
- · Hotel Industries
- Fertilizers Plants
- Stack Monitoring
- Gas Cylinder Bank
- Pulp & Paper Plants
- Gas Pipeline Projects
- · Heat Treatment Plants
- Automotive Industries

- · Oil and Gas industries
- Gas Metering Stations
- · Chemical Storage Area
- · Burner / Furnace Areas
- · Power & Industrial Plants
- Bullet Yard / Storage Yards
- Chemical Processing Plant
- Coal Mine and Confined Areas
- Chemical & Petrochemical Plants
- Acid Alkalizes & Dyes Mfg. Plants
- Offshore Drilling & Processing Platforms

TECHNICAL SPECIFICATIONS

General

Input : 2 Channel x 4 to 20mA output from Oxygen / Toxic /

Combustible Gas Transmitter.

0 to 9999 in unit PPM or % LEL or %, V/V Range

Programmable by user.

Display 16 x 2 Alphanumeric LCD with auto Backlit. .

8 LEDs to indicate status of instrument

Control Action Two independent Alarm Set Points with Latch & Non-Latch facility for each Channel independently.

User selectable Hysteresis & Logic option.

iii) Common Fail Safe Relay for both the channels

Setting By 3 Keys on front panel for WP/FLP Model

By using Remote Control (Optional)

Performance

Measurement Accuracy: ± 0.25% of full-scale for Gas Monitor

500m Sec typical Response Time Approx 30 Seconds. Start-up Time

Electrical

Power Supply 90 to 270 VAC; ±20%, 50Hz, Typically 230VAC

Power Consumption Less than 5 Watt.

Connection 3 Wires (1.5 mm²⁾ Flexible or Armoured Shielded Cable.

Environmental

Operating Temperature : -15 to +55°C

Humidity Less than 95% Non-Condensing

EMI-EMC compatibility

Output Signal

Standard : It has five No. relays (One for Failsafe & Two no. for Alarm Indication for

each Channel) of rating 120VAC / 2A, 24VDC/2A.

Optional : Isolated 0-20mA / 4-20mA / 0-5VDC / 0-10VDC Output selectable

proportional to Gas Concentration with programmable Range.

: Isolated RS - 485 Communication Port with Modbus RTU Protocol. **Optional**

Error Monitoring

- During Sensor break / open, Display shows 'Sensor Open' & Output Signal gets as perthe Up scale / Down scale selection.
- During 'Under Range', Display shows 'Under Range' & Output Signal gets as per the Up scale / Down scale selection.
- During' Over Range', Display shows 'Over Range' & Output Signal gets as per the Up scale / Down scale selection.
- Down Scale Output Signal = 0mA / 0VDC.
- Up Scale Output Signal = 21mA / 5.5VDC / 10.5VDC.

Accessories (Optional)

- CE certified 24 VDC Power supply.
- · Canopy & Mounting stand.
- Gas Calibration Kit (0.5,1, 3,10)Liter.
- · Hooter Cum Flasher.
- Toxic / Combustible Gas Transmitter
- · Gas Sampling & Conditioning System.
- RS-485 to USB OR RS-232 convertor
- PC Based SCADA Software, Modem

Flameproof Housing

Degree of Protection Class: IP-66

• CIMFR CERTIFICATE NO. : CIMFR/TC/P/1923 Dt.: 26/08/2019 • PESO CERTIFICATE NO. : P468728/1 Dt.: 21/02/2020

Housing Material : cast Aluminum Lm6 Alloy or cast Iron (C.I.) Enclosure

Flameproof, Weatherproof IP66 Double compression Cable Entry

cable gland (Ex d) Model No.: CG/FLP/2C

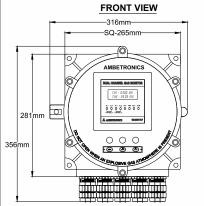
M20 x 1.5 (P) & M25 x 1.5(P), 1/2" NPT & 3/4" NPT • CIMFR CERTIFICATE NO. : CIMFR/TC/P/1313 Dt.: 19/09/2018

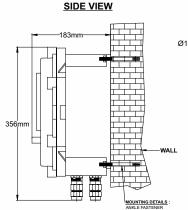
• PESO CERTIFICATE NO. : P431645/2 Dt.:19/11/2019 : 356 mm (H) x 316 mm (W) x 183 mm (D) Dimension

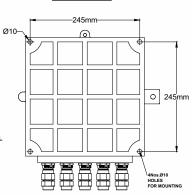
Mounting : Wall Mounting / Stand Mounting

Weight : Approx 12 Kg

DIMENSION



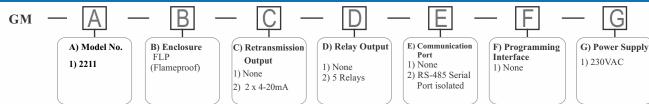




BACK VIEW

ISOMETRIC VIEW

ORDERING INFORMATION



* Before placing order please Refer the above ordering information or Contact us for assistance.

Manufactured by:

























AMBETRONICS ENGINEERS PVT. LTD. 17-B, Tarun Industrial Estate, Mogra Pada, New Nagardas Road, Andheri (E.) Mumbai - 400 069, India.

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