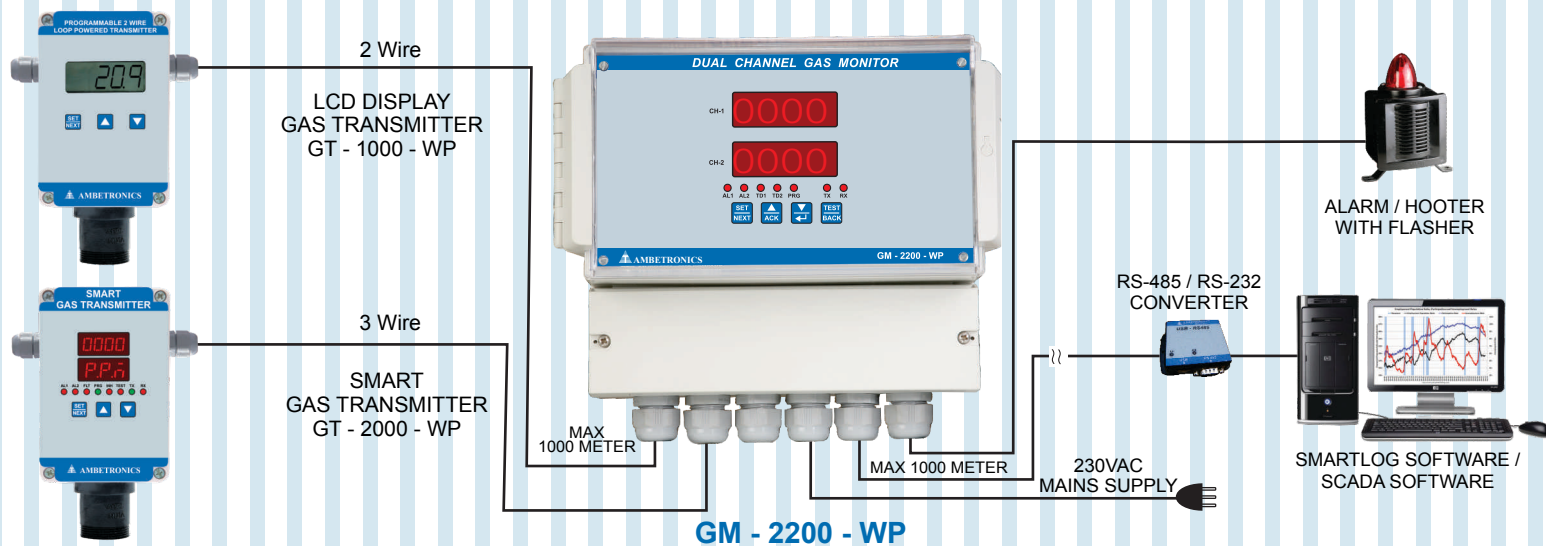
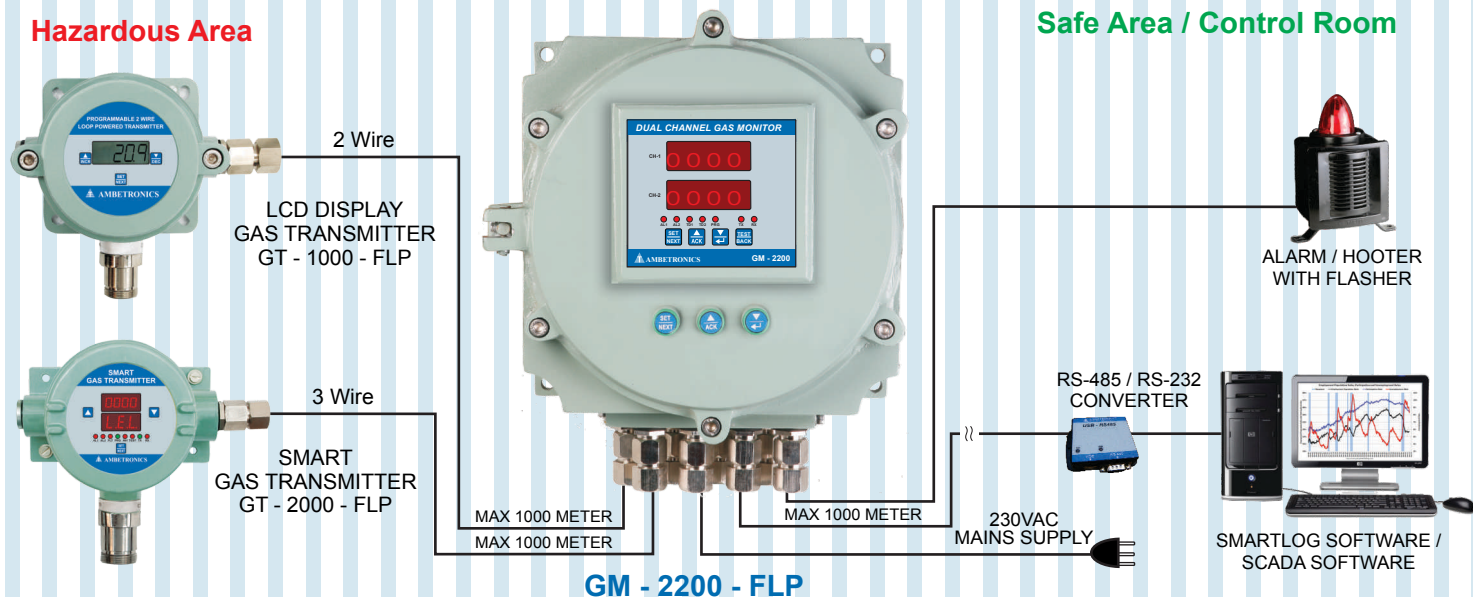


## DUAL CHANNEL GAS MONITOR OXYGEN / TOXIC / COMBUSTIBLE GASES



### Hazardous Area

### Safe Area / Control Room



### Features

### Applications

- Two Independent Display For Any Two Gas Detector Selected By User
- Microcontroller Based Latest, Accurate, Reliable & High Performance Technology That Eliminates False Alarm
- Long Term Stability
- Advance Warning & Alarm Output
- Audiovisual Gas Leakage Indication
- Easy One Man Calibration At Site
- One Individual Alarm Relay Contact Separate For Each Channel
- Wall Mounted Design, Easy Installation At Site
- Suitable In Hazardous Area CCOE, CMRI & IP-65 Approved
- Password Protected Programming With Password Changing Facility

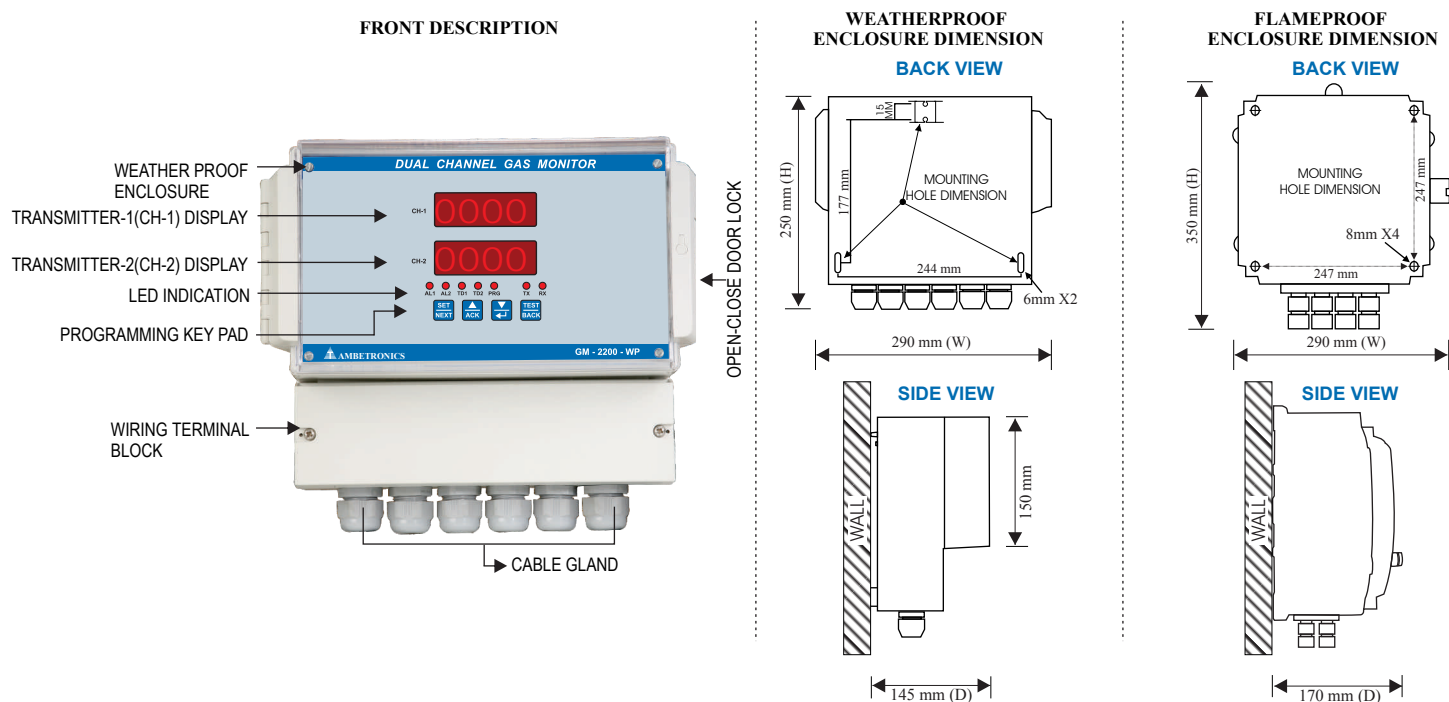
- Pulp & Paper Plants
- Chemical & Petrochemical Plants
- Acid Alkalizes & Dyes Mfg. Plants
- Chemical Processing Plant
- Offshore Drilling & Processing Platforms
- Refineries
- Stack Monitoring
- Chemical Storage Area
- Automotive Industries
- Hotel Industries
- Gas Cylinder Bank
- Burner / Furnace Areas
- Heat Treatment Plants
- Paint Shop
- Sewage Plants
- Fertilizers Plants
- Power & Industrial Plants
- Gas Metering Stations
- Bullet Yard / Storage Yards
- Oil and Gas industries
- Coal Mine and Confined Areas
- Gas Pipeline Projects

# MUST FOR HUMAN AND INDUSTRIAL SAFETY

# TECHNICAL SPECIFICATIONS

<b>Input</b>	4 to 20mA output from Oxygen / Toxic / Combustible Gas Transmitters	
<b>Range</b>	0 to 9999 In Unit P.P.M. OR % L.E.L. OR % VOL. programmable by user	
<b>Resolution</b>	1 / 0.1 Resolution programmable by user	
<b>Accuracy</b>	± 1% of full scale value	
<b>Dual Display</b>	2 X 4 digits of 13mm (H) Red LED display for Gas concentrations for CH-1 and CH-2	
<b>LED Indication</b>	3mm, 7 LED indication for AL1, AL2, TD1, TD2, PRG, TX, RX	
<b>Set Point</b>	One independent alarm set point for both CH-1 & CH-2 with programmable latch & non latch facility	
<b>Control Action</b>	LO / HI, HI / LO, LO / Very LO & HI / Very HI, Programmable by user	
<b>Hysteresis</b>	0 to 100 Counts, individual setting for Alarm Relay-1 & Alarm Relay-2, programmable by user	
<b>Time Delay</b>	Independent Programmable 0 to 9999 Sec for Alarm Relay-1 & Alarm Relay-2	
<b>Relay Output</b>	Alarm Relay-1 operates for CH-1 & Alarm Relay-2 operates for CH-2	
<b>Relay Contact type</b>	1 NO/C/NC Relay contact rated 230VAC/5A each for Alarm Relay-1 (CH-1) & Alarm Relay-2 (CH-2)	
<b>Settings</b>	Setting by 4 keys on front panel i.e. 'SET / NEXT', 'UP', 'DOWN' & 'BACK'	
<b>Monitoring</b>	i) By display : Sensor break/ open shows 'bPEr', under range shows 'Urrr' & over range shows 'bUr' ii) By Retransmission current : Up scale current : 21mA, Down scale current : 3mA, selectable	
<b>Supply Voltage</b>	230VAC ± 10% OR 110VAC ± 10% OR 24 VDC	
<b>Cable</b>	1.5 sq. mm 3 Core OR 2 Core, Flexible OR Armoured shielded cable	
<b>Operating Temperature</b>	0 to 50°C ± 5%, Relative Humidity: Below 95% non Condensing	
<b>Enclosure Details</b>	<b>GM - 2200 - WP (Weatherproof)</b>	<b>GM - 2200 - FLP (Flameproof)</b>
<b>Protection Class</b>	IP-65	IP-65 for Gas Gr.IIA & IIB, CCOE & CMRI approved
<b>Cabinet Material</b>	Polycarbonate, gray colour	Cast Aluminum alloy, LM-6 / C.I. Enclosure
<b>Cable Entry</b>	Thermoplastic cable gland (IP-68) with clamping range of 2.5 to 6.5mm	Double compression cable gland (Ex-proof), 3/4" ET-type
<b>Dimension</b>	250 mm(H) x 290mm(W) x 145 mm(D)	350 mm(H) x 290 mm(W) x 170 mm(D)
<b>Mounting</b>	Wall Mounting / Stand Mounting	Wall Mounting / Stand Mounting
<b>Weight</b>	Approx 2.5kg	Approx 5.0kg
<b>Optional</b>	a) Isolated RS-485 Serial port with MODBUS RTU protocol output b) SMARTLOG / SCADA SOFTWARE for online graph & data report for safety Audit c) Flame Proof or Non Flame Proof Industrial Hooter, Hooter cum Flasher, Chart recorder, Cables, PC Software, Gas Transmitters, 24 VDC power supply, Gas calibration kit d) Optional programmable linear 4-20mA / 20-4 mA O/P with respect to Gas concentration for CH-1& CH-2	

## LAYOUT DESCRIPTION



Manufactured by :



**AMBETRONICS ENGINEERS PVT. LTD.**

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Dealers: