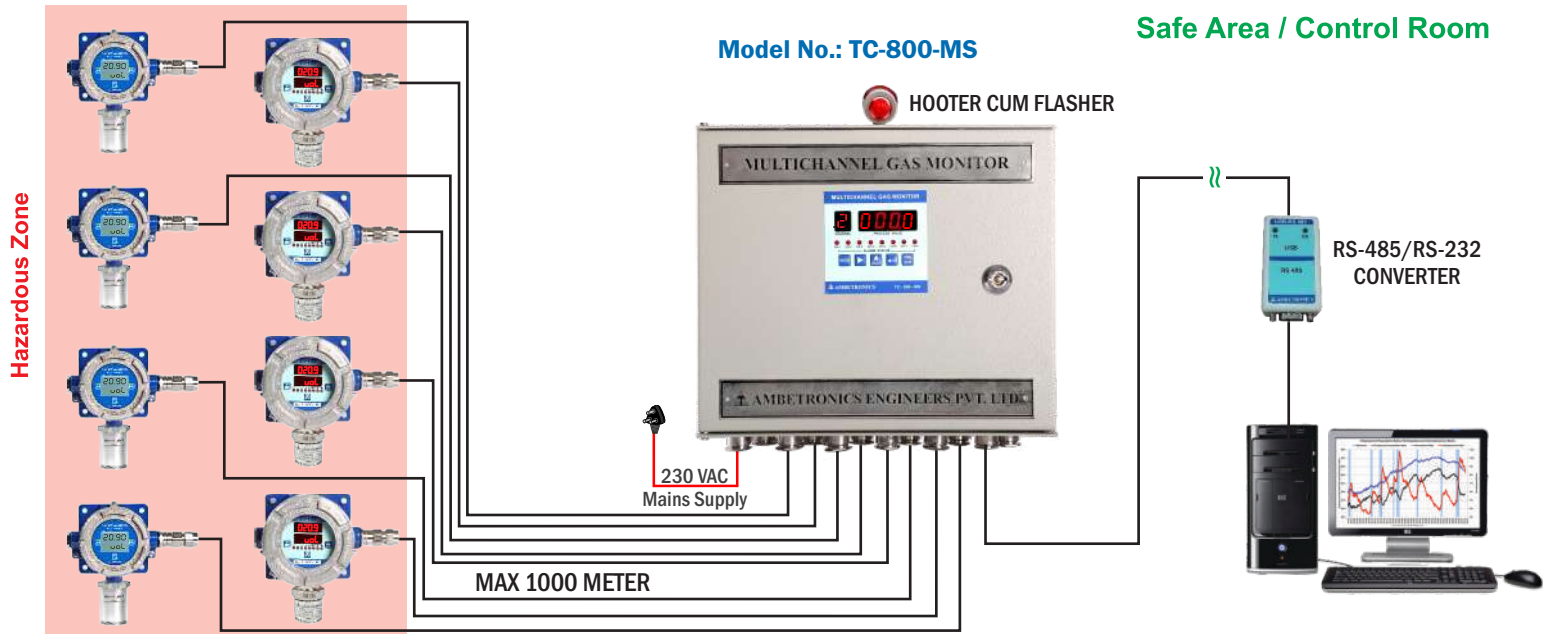
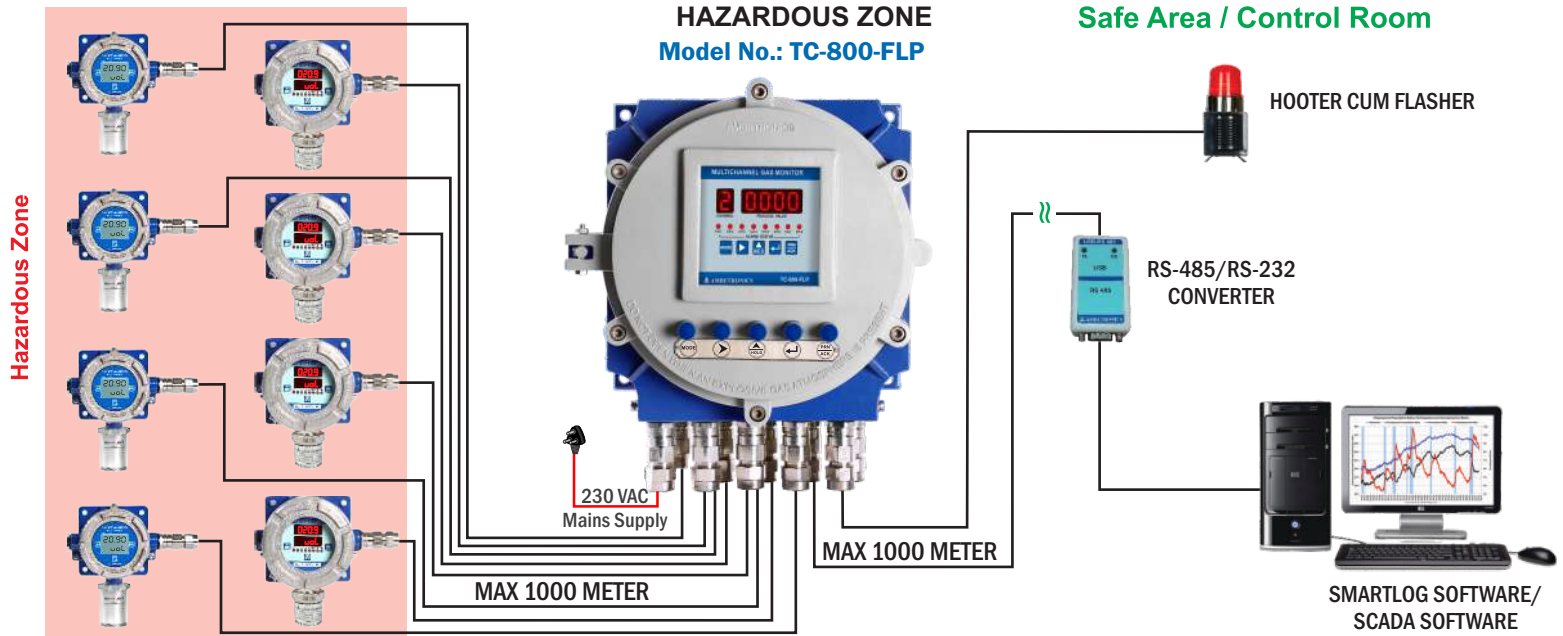


MULTICHANNEL GAS MONITORING SYSTEM OXYGEN/TOXIC/COMBUSTIBLE GASES



Features

- User Friendly Operation by front keys
- Scan Each Channel with Gas Concentration PPM, PPB, %V/V
- Easy One Man Calibration at site
- Open Loop Transmitter Sensor Break, 'OPEN' Indication
- Individual Channel Skip, Hold Facility from Front Panel
- Reading Offset Facility To Compensate The Field Error
- High & Low Alarm Output with Programmable Latch & Non-Latch Facility for common Relay & Relay Indication
- Optional : Data Logging / Printer Interface / PC Software
- Optional Relay Output for Each Channel
- Suitable in Hazardous Area CCOE, PESO, CIMFR & IP-65 approved.

Applications

- 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

General Specification

| | |
|----------------------------------|---|
| Input | : 8 Channel, 4 to 20mA output from Oxygen / Toxic / Combustible Gas Transmitter of 2 wire/3wire |
| Range | : 0 to 9999 programmable by user, reads % LEL , PPM or %V/V |
| Resolution | : 0.01, 0.1, 1 programmable by users |
| Channel Capacity | : Available 2Ch./4Ch./6Ch./8Ch. |
| LED Indication | : 8 No. RED LED for Alarm Indications of both set points AL1, AL2 |
| Set Point | : 2 Independent set points individual for each channels with 2 common relay output |
| Control Action | : LO/HI, HI/LO, LO/Very LO & HI-very HI, Programmable by user. |
| Setting | : Setting by 5 keys on front panel 'MODE,' 'SHIFT', 'INC', 'ENT', PRN/ACK' |
| Skip Channel | : Individual Channel SKIP facility from front panel |
| Hold | : Facility to 'HOLD' the particular channel continuously |
| Scan Time | : 1 to 59 second programmable by users |
| Print Interval (Optional) | : 5 to 9999 sec. Print Interval for direct print out on 80 Column Dot Matrix Printer |

Performance

Measurement Accuracy: ±0.5% of the full scale value

Electrical

| | |
|---------------------|---|
| Power Supply | : 90V AC to 270V AC /DC, ±10% |
| Cable | : 1.5 sq. mm 3 core OR 2 core, Flexible OR Armoured shielded cable from Gas Transmitter |

Error Monitoring

| | |
|----------------|---|
| Display | : 4 digits of 13mm (H) Red LED for 'Gas Concentration' 1 digit of 13 mm (H) Red LED for 'Channel Number' |
|----------------|---|

Environmental

| | |
|------------------------------|----------------------------|
| Operating Temperature | : 0 to 50°C ±5% |
| Relative Humidity | : Below 95% non Condensing |

Accessories (Optional)

- CE certified 24 VDC Power supply.
- 2/3 Core Cables for Transmission
- Gas Calibration Kit (0.5,1, 3,10)Liter.
- Hooter cum Flasher
- Intelligent Modem
- Flame Proof or Non Flame Proof Industrial Hooter / Flasher
- RS-485 to USB OR RS-232 convertor
- PC Based SCADA / SMARTLOGS Software
- Annunciator Panel 4 Channel / 8 Channel

Output Signal

| | |
|-----------------------|---|
| Relay Output | : 1 NO/C/NC relay contact rated 230VAC / 5A for Relay-1 (AL1) & Relay -2 (AL2) |
| Relay Latching | : Programmable latch & Non-Latch facility for common relay & relay indication. |
| optional | : a) Isolated RS-232/RS-485 Serial port with MODBUS RTU Protocol output b) Parallel port for direct printout on 24/80/132 column printer without Computer with Data Logging facility c) SMART LOG / SCADA SOFTWARE for online graph & data report for safety audit d) Individual relay O/P can be given for each channel OR with grouping output e) Flame Proof of Non Flame Proof Industrial Hooter, Hooter cum Flasher, Chart recorder, Cables, PC Software, Gas Transmitters, 24VDC power supply, Gas calibration kit. |

Flameproof Housing Details :

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

Cable Entry : Flameproof, Weatherproof IP66 Double compression cable gland (Ex d) Model No. : CG/FLP/2C M20 x 1.5 (P) & M25 x 1.5(P), ½" NPT & ¾" NPT

- CIMFR CERTIFICATE NO. : CIMFR/TC/P/1313 Dt. : 19/09/2018
- PESO CERTIFICATE NO. : P431645/2 Dt. : 19/11/2019

Dimension : 356 mm (H) x 316 mm (W) x 183 mm (D)

Mounting : Wall Mounting / Stand Mounting

Weight : Approx 12 Kg

MS Panel Housing Details :

Protection Class : IP-50

Cabinet Material : Metal sheet Siemens Grey colour

Cable Entry : Single Compression Gland

Dimension : 300 mm (H) x 320 mm (W) x 105 mm (D)

Mounting : Wall Mounting / Stand Mounting

Weight : Approx 6.1 Kg

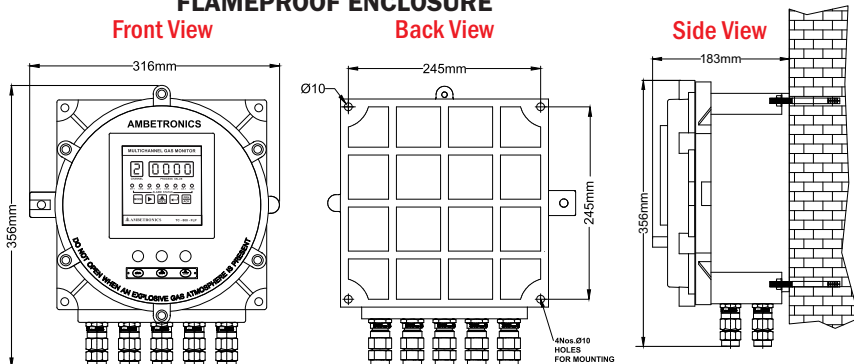
DIMENSIONAL DETAILS

FLAMEPROOF ENCLOSURE

Front View

Back View

Side View

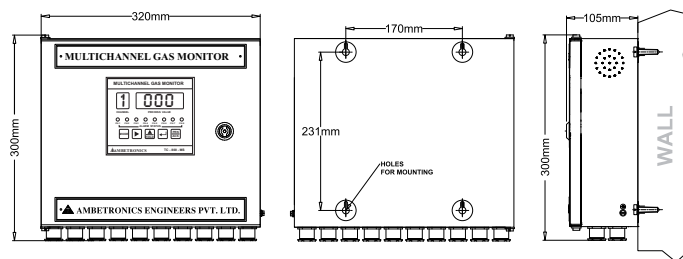


MS PANEL

Front View

Back View

Side View



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