

SMART GAS ANALYZER FOR OXYGEN

GA-3500-PM-02

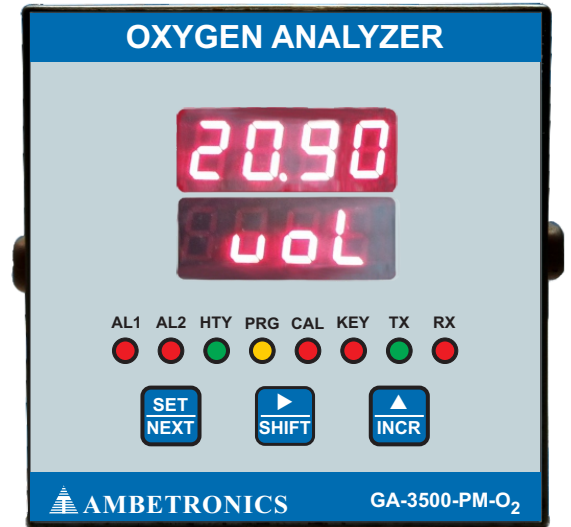


Features

- Provides a fast and reliable output by using Electro Chemical Sensor Technology.
- Highly resistant to poisoning and etching.
- Capable of detecting down to %V/V.
- Digital display of Gas Concentration on LeD Display for GA-3500
- Standard 4-20mA signal output with configurable range.
- Latest Micro controller technology with 3 keys operation.
- Password protected programming with password changing facility.
- Optional Alarm relay contacts with two configurable Alarm levels & one Relay for fail safe relay.
- Optional RS-485 communication port with MODBUS RTU Protocol.

Applications

- Chemical process Industries for processing Product & to improve air quality by scrubber.
- Food Packaging Industries like Chicken, Potato, Mushroom, fish etc to understand Freshness of Product.
- Pharmaceutical Industries to maintain the air quality
- Laboratories to Cell Culture Incubators, Bioreactor.
- Hospitals & Fertility clinic to know the level of oxygen for Patients & Operation.
- Other sectors like Waste water treatment Plant, Glass blowing, Brazing, Gold Mining



TECHNICAL SPECIFICATIONS

General :

- Detection Method : Electrochemical
- Display : 8x2 Alphanumeric LED Display with Backlit & 8 LEDs to indicate status of instrument
- Control Action : i) Two independent alarm set points with Latch & Non-Latch Facility.
ii) User selectable Hysteresis and Logic option.
iii) Configurable STEL and TWA set points for Toxic Gases (Optional)
- Setting : By using 3 Keys on front panel

Performance :

- Accuracy : ± 2% of Full Scale at constant temperature
- Response Time : For response , contact to factory
- Start-up Time : Less than 30 Seconds.

Electrical :

- Supply Voltage : 240VAC / 50 Hz, 230VDC (±10%)
- Power Consumption : Less than 20 Watts.

Error Monitoring :

- i) During Over Range, the Display shows 'OVER RANGE' & 4-20mA output goes up to 21mA.

Environmental :

- Operating Temperature : 0° to +50°C
- Storage Temperature : -10° to + 60°C
- Humidity : Less than 95% Non-Condensing.

Output Signal :

- Standard : 4-20mA Current Output with configurable range selection with 470 ohm load driving capacity.
- Optional : a) Three SPDT Relay (one for FailSafe & Two for Alarm indication) of rating. 5A/250VAC, 5A/ 30VDC
b) 0 to 10 VDC
c) RS-485 isolated Port with MODBUS RTU protocol.

Accessories (Optional) :

- Gas Calibration Kit (0.5,1,3,10) Litre.
- Hooter Cum Flasher.
- Gas Sampling & Conditioning System.
- RS-485 to USB OR RS-232 Converter.
- PC Based SCADA Software, Modem.

Panel Mount Housing :

- Protection Class : IP-40
- Dimension : PM - 96 mm (W) x 96 mm (H) x 170 mm (D)
- Enclosure : ABS Plastic
- Mounting : Panel Mounting
- Weight : Approx 1.4 Kg

ORDERING INFORMATION

GA	A	B	C	D	E	F	G	H
A) Model No. 1) GA-3500	B) Enclosure 1) Panel Mount - PM	C) Gas 1) 0 to 1% 2) 0 to 25% 3) 0 to 100%	D) Relay Output 1) None 2) 3 Relays (AL1, AL2 Failsafe Relay)	E) Retransmission Output 1) None 2) 4 to 20mA	F) Communication Port 1) None 2) RS-485 serial port	G) Sensor Housing 1) PVC material 2) Teflon 3) Stainless Steel (SS316)	H) Power Supply 1) 240 VAC, 50Hz ± 10%	

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

Manufactured by :



AMBETRONICS ENGINEERS PVT. LTD.

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