SMART GAS ANALYZER FOR OXYGEN — GA-3500-PM-O$_2$

PANEL MOUNT

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
Range	:	0-25.00 V/V OR 0-100.0 V/V
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 temperatrue
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 - 192 mm (W) x 96 mm (H) x 250 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.	B) Enclosure	C) Gas	D) Relay Output	E) Retransmission Output	F) Communication Port	G) Sensor Housing	H) Power Supply
1) GA-3500	1) Panel Mount - PM	1) 0 to 1% 2) 0 to 25% 3) 0 to 100%	1) None 2) 3 Relays (AL1, AL2 Failsafe Relay)	1) None 2) 4 to 20mA	1) None 2) RS-485 serial port	1) PVC material 2) Teflon 3) Stainless Steel (SS316)	1) 240 VAC, 50Hz ± 10%

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

Dealers:

Version GA-3500-PM-R1- 29082020

Specifications subject to change without any prior notice