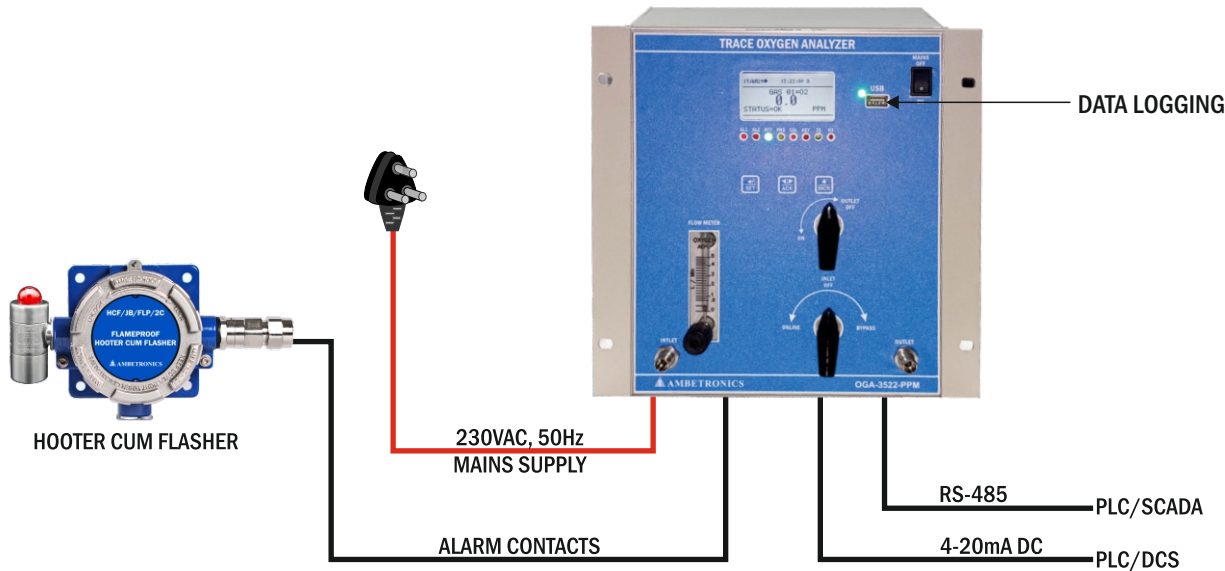


TRACE OXYGEN ANALYZER

OGA-3522-PPM

TRACE OXYGEN ANALYZER



ORDER CODE: OGA-3522-PPM-0-0

Features

- Digital display of O₂ Concentration on the Graphic LCD display with Settable backlight.
- Calibration due indication and alert.
- User friendly, programming with 3 keys.
- Password protected function menu.
- Programmable Linear 4-20mA with respect to the Gas Concentration.
- Alarm relay contacts with two configurable Alarm Levels & One Relay for Fail Safe Relay.
- LOW & HIGH configurable alarms with LED indications.
- RS-485 communication port with MODBUS RTU Protocol.
- Software calibration totally by using front keys.
- Data Logging facility using Pendrive.

Applications

- Oil & Gas Industries
- Pharmaceutical & Food Industries
- Aerospace
- Glove Boxes
- Semiconductor Manufacturing
- Medical Application
- Biotechnology & Research
- Power Generation
- Environmental Monitoring

TECHNICAL SPECIFICATION

General

Detection Method	: Electrochemical/ Galvanic Cell
Display	: 3keys Graphic LCD with settable backlight
Set Point	: Two independent set points, AL1 & AL2 with LED indication facility only
Range	: i) 0.0 to 200.0 PPM iii) 0 to 5000 PPM ii) 0.0 to 2000.0 PPM iv) 0 to 9999 PPM
Accuracy	: 2 % of F.S.
Setting	: Setting by 3 front Keys of device i.e. ('SET/NEXT', 'SHIFT/ACK', 'INCR KEY')
Response Time	: < 10 Seconds • T90 : < 30 Seconds
Warm up Time	: 60 Seconds

Control Online

Flow Regulator, Rota Meter & By Pass/ valve provided with 1/4" Gas Port & Swagelok Fittings. Standard On-line Gas Filter.

Electrical

Supply Voltage : 100 VAC to 240VAC, 50Hz Mains Power Supply

Output Signal

Analog Output	: 4-20mA DC
Digital Output	: RS-485 isolated Port with MODBUS RTU protocol.
Relay Output	: Alarm Relay-1 operates for Set Point1, Alarm Relay-2 operates for Set Point 2 & Fail-Safe Relay with Normally-OFF or Normally - ON conditions selectable
Download	: Through USB Pendrive interface using

Environmental

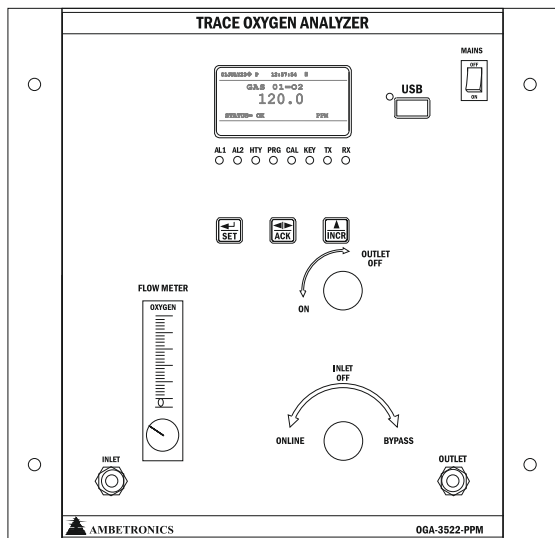
Operating Temp.	: 0 to 50 °C
Storage Temp.	: 0 to 60 °C
Humidity	: Below 95% RH, Non condensing (30% to 60% recommended)
Atmospheric Pressure	: 700mbar to 1200mbar

Housing Details

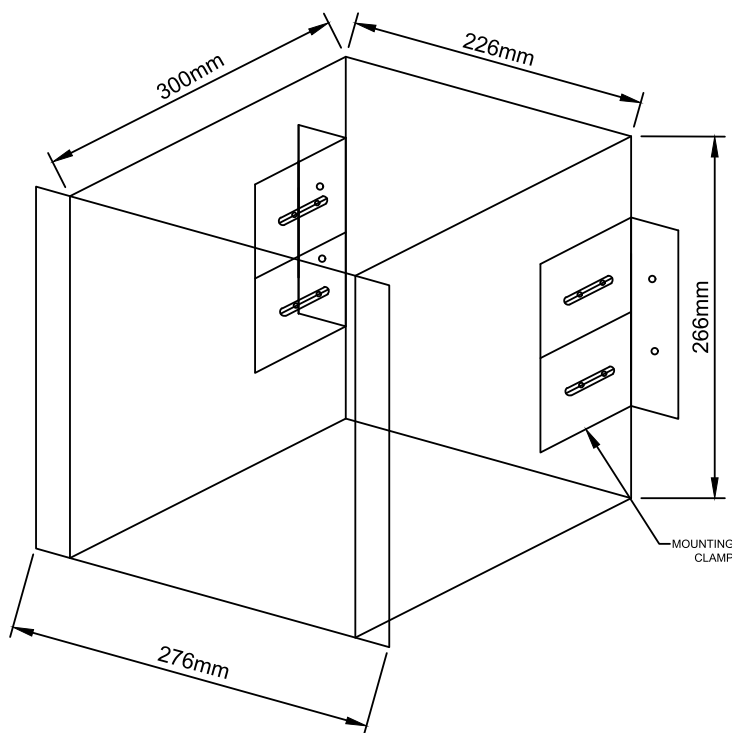
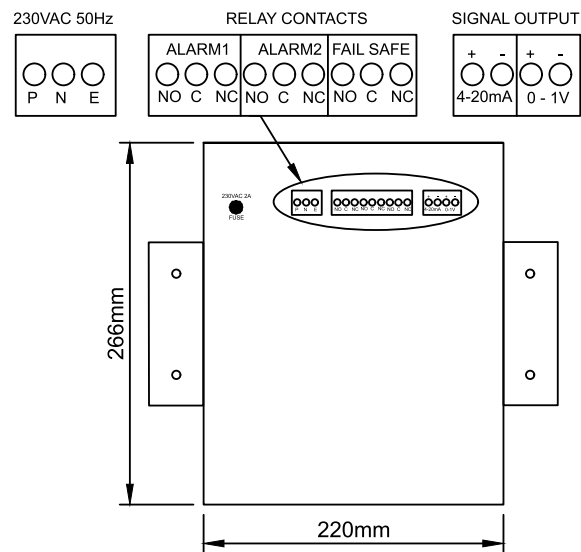
Cabinet Material	: Aluminum, Siemens Grey RAL 7032
Dimension	: 266mm(H) x 276mm(W) x 300mm(D)
Panel Cutout	: 268mm(H) x 233mm(W)
Mounting	: Wall Mounting / Bench Top/ Panel
Weight	: Approx. 4.5kg

MUST FOR HUMAN & INDUSTRIAL SAFETY

ENCLOSURE DETAILS



FRONT VIEW



ISOMETRIC VIEW

- NOTE:**
- 1) ALL DIMENSIONS ARE IN mm.
 - 2) TOLERANCE ± 5 mm
 - 3) SIZE: 266mm(H) X 276mm(W) X 300mm(D)

ORDERING INFORMATION

1) OGA-3522-PPM-0-0

MODEL NO.

RANGE

OUTPUT

DEFAULT

0) 4-20mA
1) RS-485

*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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Version : OGA-3522-PPM-0-0-R0-16-12-2024