

## TRACE OXYGEN ANALYZER

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**HOOTER**



230V AC, 50Hz  
MAINS SUPPLY

Alarm Contacts

0-1V DC PLC/DCS

4-20mA DC PLC/DCS

### Features

- Dual Display of Gas Concentration & Set Point of Alarm / Unit of Gas
- Micro-controller Based Latest, Accurate, Reliable & High Performance Technology that Eliminates False alarm
- Advance Warning and Alarm Output
- Audio Visual Alarm Indication
- Two Independent Alarm Relay Output
- Programmable Linear 4-20mA and 0-10V / 0-1V with Respect to Gas Concentration.
- Easy one man calibration at site
- User Friendly Operation

### Applications

- Light Bulb Manufacturing
- Bio Technology
- Air / Inert / Noble Gases
- Plastic Manufacturer
- Cryogenics
- Controlled gas Environment
- Glove Boxes
- Chemical Manufacturing
- Food and beverage
- Rubber Polymerization
- Glan Manufacturer
- High purity gas manufacturer

**MUST FOR HUMAN AND INDUSTRIAL SAFETY**

# TECHNICAL SPECIFICATIONS

## General :

The unit is used to measure the concentration of Oxygen (PPM) in a tube through which inert gas (Nitrogen or Argon) is flowing

- Detection Method : Electrochemical / Galvanic Cell  
 Gas detected : Oxygen Sensor directly mounted in enclosure  
 Range : ii) 0-199.9 PPM Resolution : 0.1 ppm  
           iii) 0-1999 PPM Resolution : 1ppm  
           iii) 0 to 20.9% Air calibration, Resolution : 0.1%  
 Accuracy : ±1% of Full Scale.  
 Gas Connection : ¼" Swagelok type ports  
 Sample System : Flow regulation, Flow meter and By Pass / Online valve  
 Dual Display : Upper : 4 Digit of 13 mm (H) Red LED display for 'Oxygen Concentration' indication  
                   Lower : 4 Digit of 13 mm (H) Red LED display for 'Set Point Value' of Alarm Relay /Unit of Gas  
 Alarm output : 0-100, 0-1000 PPM and 0-30% with Ten turn alarm dial on panel and 1P2W Relay contacts No / C / NC at backside provided  
 LED Indication : AL1 & AL2 for Relay, HTY - healthy LED, PRG for Programming Mode, CAL-Calibration mode, KEY-key LED,  
 Hysteresis : 0 to 10% of range, Individual setting for Alarm Relay-1 & Alarm Relay-2, programmable by user  
 Set Point : 2 No, Independent set point for Alarm Relay-1 & Alarm Relay-2 with programmable latch & non-latch facility  
 Setting : Setting by 3 keys on front panel i.e. 'SET/NEXT', SHIFT, INCREMENT.  
 Relay contact type : 3 No, 1 change over, 230 VAC/5A Relay contact for RL1, RL2 & Fail-Safe Relay  
 Monitoring : Display : over range shows 'Error' condition

## Electrical :

Supply Voltage : 220VAC ± 10%, 50Hz

## Output Signal :

- Recorder Output : Programmable linear 4-20mA, 0 to 1V/0 to 10V  
 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

- Control Online : Flow Regulation, Flow Meter and By Pass / Valve provided with ¼" Gas Port and Swagelok Fittings. Also with Span and Alarm Control, Standard On-line Gas Filter.

## Environmental :

- Operating Temperature : 0 to 50°C ± 5%  
 Humidity : Below 95% Non-Condensing.

## Housing :

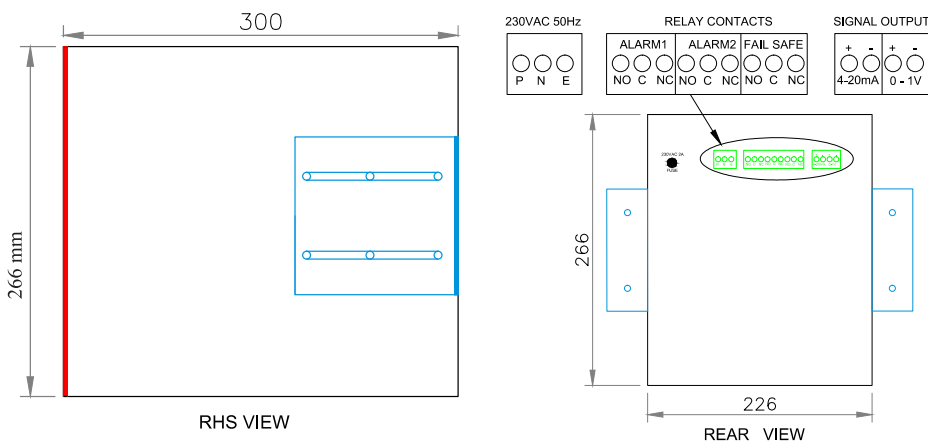
- Cabinet Material : Aluminium, Siemens Grey RAL 7032  
 Dimension : 276 mm (W) x 266 mm (H) x 300 mm (D)  
 Panel Cutout : 233 mm (W) x 268 mm (H)  
 Mounting : Wall Mounting / Bench Top / Panel  
 Weight : Approx 4.5Kg

# LAYOUT DESCRIPTION

## FRONT VIEW



## ENCLOSURE VIEW



Manufactured by :



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