

# OXYGEN DETECTOR



## | MODEL AI-O<sub>2</sub>-Tx

The Ace Instruments make Oxygen Detector is a weatherproof oxygen indicator transmitter for use in Oxygen generation units & oxygen concentrators

- 4 digit, 7 Segment red LED Display & a 4-20mA Retransmission Output. Optionally available with 1 Relay Output & a built in buzzer alarm for process violation alert
- The Oxygen detector has an optional RS 485 Modbus Protocol Communication output to connect to PLC/SCADA/BMS softwares
- Wall Mounting Type IP 65 Phoenix Mecano ABS Plastic Enclosure
- Large & clear 4 digit red LED display, 7 segment type
- 1 Relay Output (NO/CO/NC)
- In-built buzzer for High & Low Limits Violation Alert
- RS 485 Modbus Communication for PC/SCADA/BMS/EMS/PLC Integration
- 4-20mA Analog Retransmission Output
- Easily field replaceable Sensor Module

## Specifications

Manufacturer	ACE Instruments
Measuring Range	Standard 0.0 to 25.0 % O <sub>2</sub> / Optional 0.0...100.0 % O <sub>2</sub>
Accuracy	+/-1% of measuring range
Display	4 Digit, 0.8 " High, 7 Segment Red LED Display
Response Time	Approx. 15 seconds
Sensing Method	Galvanic Cell
Power Supply	24 V.D.C., 350 mA / Optional 230 VAC Adaptor provided alongwith
Operating Pressure	Not more than 100mBar
Output	4-20mA retransmission output (optional)
Operating Conditions	Temperature 0 to 60 Deg. C / Humidity 0 to 99% RH Non Condensing
Enclosure	ABS Plastic IP 65 Rated ( However Sensor is not rated IP65)
Communication	RS 485 Modbus Protocol Communication ( Optional )
Sensor Type	Galvanic Cell Type , quick response , no CO <sub>2</sub> influence
Buzzer	Built – in Buzzer Alarm for low & high limit violation alert
Sensor Life	Approx. 3-5 years, after which the Oxygen Cell is field replaceable
Dimensions	80 x 120 x 55 mm. ( H x W x D )
Warranty	12 Months Manufacturer warranty
Bar Probe Material	Stainless Steel 304 with side & bottom perforations



### ACE INSTRUMENTS

(An ISO 9001-2015 Certified Company)

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