

# Online Oxygen Monitor

For Oxygen Generators and Concentrators

Ace AI-O2-Tx Digital Oxygen Monitor (0 to 100% Vol) is a weatherproof indicator and transmitter with 4 digits, 7 Segment Red LED display, and 4-20 mA re-transmission Output. Widely used in manufacturing of Oxygen Generators, Concentrators and Plants. The standard feature also includes an in-built buzzer for process violation alerts.



(Model: AI-O2-Tx)

## | Features

- ◆ 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 and clear 4 digit red LED display, 7 segment type.
- ◆ 1 Relay Output (NO/CO/NC).
- ◆ In-built buzzer for High & Low Limits Violation Alert.
- ◆ 4-20mA Analog Retransmission Output.
- ◆ Easily field replaceable Sensor Module.



## | Technical Specifications

Manufacturer	ACE Instruments
Measuring Range	Standard 0.0 to 100.0%; Optional 0.0 to 25.0%
Accuracy	+/-1% of measuring range
Display	4 Digit, 0.56" High, 7 Segment Red LED Display
Response Time	Approx. 15 seconds
Sensing Method	Galvanic Cell
Power Supply	12-24VDC, by the way of 110-230 VAC, 50-60Hz Adaptor provided along with (Fits well in USA and European countries Also)
Operating Pressure	Not more than 100mBar
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 CO2 influence
Relay	Potential free NONC contacts
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
Supply Scope	1 Unit of Oxygen Transmitter, Power Adapter, Instruction Manual and Factory Calibration Certificate
Dimensions	80 x 120 x 85 mm. ( H x W x D )
Warranty	12 Months Manufacturer warranty
Bar Probe Material	Stainless Steel 304 with side and Bottom perforations

Temp | Humidity | Pressure | Differential Pressure | Vacuum | Gases | Particle | Air Flow  
Moisture | Dissolved Oxygen | Radiation | Air Quality | Light / Lux | Distance | Vibration

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