

Oxygen Controller



| MODEL AI-O₂-Tx

The Ace Instruments make Oxygen Controller is a weatherproof indicator transmitter with 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 Controller 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...25% O ₂ ; Optional 0...100% O ₂
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	24 V.D.C., 350 mA / Optional 230 VAC Adaptor provided along with
Enclosure	ABS Plastic IP 65 Rated (However Sensor is not rated IP65)
Communication	RS 485 Modbus Protocol Communication
Sensor Type	Galvanic Cell Type , quick response , no CO ₂ influence
Relay	Potential free NONC contacts
Buzzer	Built - in Buzzer Alarm for low & high limit violation alert
Sensor Life	Approx. 5 years, after which the Oxygen Cell is directly replaceable
Dimensions	80 x 120 x 85 mm. (H x W x D)
Warranty	12 Months Manufacturer warranty
Bar Probe Material	Stainless Steel 304

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