



## | MODEL: AI-CL-02

The Ace Instruments make Oxygen Monitor 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 Monitor has an optional RS 485 Modbus Protocol Communication output to connect to PLC/SCADA/BMS softwares.
- ▶ 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

|                        |  |
|------------------------|--|
| <b>Manufacturer</b>    | ACE Instruments  |
| <b>Measuring Range</b> | Standard 0...25% O <sub>2</sub> ; Optional 0...100% O <sub>2</sub>             |
| <b>Accuracy</b>        | +/-1% on F.S.  |
| <b>Display</b>         | 4 Digit, 0.56" High, 7 Segment Red LED Display                                 |
| <b>Response Time</b>   | Approx. 15 seconds   |
| <b>Sensing Method</b>  | Galvanic Cell  |
| <b>Power Supply</b>    | 24 V.D.C., 350 mA / Optional 230 VAC Adaptor provided along with               |
| <b>Enclosure</b>       | Mirror finished front Stainless Steel plate with back MS box                   |
| <b>Communication</b>   | RS 485 Modbus Protocol Communication   |
| <b>Sensor Type</b>     | Galvanic Cell Type , quick response , no CO <sub>2</sub> influence             |
| <b>Buzzer</b>          | Built - in Buzzer Alarm for low & high limit violation alert                   |
| <b>Sensor Life</b>     | Approx. 5 years, after which the Oxygen Cell is directly replaceable           |
| <b>Dimensions</b>      | Front SS plate - 180 x 200( W x H )<br>Back MS box - 110 x 150 x 45(W x H x D) |
| <b>Warranty</b>        | 12 Months Manufacturer warranty  |



### ACE INSTRUMENTS

(AN ISO 9001 - 2015 COMPANY)

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