

Dissolved Oxygen System Specifications



Connect this Dissolved Oxygen sensor to a PLC for seamless integration with industrial control systems. Use any computer to display data, calibrate and customize the measurement without an intermediate analyzer electronics box. A LD500 local display can be used if desired. Sensor heads are pre-calibrated and can be replaced or exchanged with any other type of sensor without taking the system down. Save space, time and money.

- Clark Cell technology
- Pre-calibrated (no field calibration required)
- Plug & play sensor heads
- Rugged, foul resistant membrane
- Electrode protection options
- Simple membrane cartridge replacement
- Direct data reporting
- Plug & play industrial communications adapters

<p>Measurement System Performance</p> <p>Range: 0 to 40 ppm Resolution: 0.01 ppm Accuracy: 0.04 ppm Step Response Time: 90% in 90 seconds Note: Typical at 25°C Performance unaffected by cable length</p>	<p>Units of Measure</p> <p>Measurement Units: ppm, mg/l, % Temperature Units: °C, °F</p>
<p>Operational Environment</p> <p>PEEK® Sensor Head Temperature Range: -5°C to 50°C Maximum Pressure: 150 psi @ 50°C Maximum Flow Rate: 10 ft/second</p>	<p>Calibration</p> <p>Air: Automatically adjusts for set pressure Sample: 1 point Zero: 1 point Temperature: 1 and 2 point Note: D.O. and temperature are precalibrated at the factory</p>
<p>Power Requirements</p> <p>Voltage Range: 10 to 30 VDC Maximum Power: 200 mW Typical Power: 120 mW Note: Class II DC power supply required</p>	<p>Approvals and Ratings</p> <p>Immunity & Emissions: CE (EN61326 and EN61326:1998) Safety: CE (EN 61010-1) UL 508 Hazardous Locations: UL Class I, Division 2</p>
<p>Construction</p> <p>Process Electrodes: Gold Cathode, Silver Anode, Silver Reference (3 Electrode Polarographic Clark Cell) Membrane: FEP Teflon O-Rings: Viton® (other materials available) Sensor Head Material: PEEK®</p>	<p>Other Configuration Options</p> <p>Sensor Filter: 0 to 100 seconds Temperature Filter: 0 to 100 seconds</p>