

Conductivity System Specifications



Connect this Toroidal Conductivity 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.

- High Resolution Measurement
- Pre-calibrated (no field calibration required)
- Plug & play sensor heads
- 0 to 2 S/cm range
- Direct data reporting
- Plug & play industrial communications adapters

<p>Measurement System Performance Range: 0 to 2,000,000 uS/cm (2 S/cm) Resolution: 4.5 significant digits Accuracy: 0.1% of reading Step Response Time: 90% in 30 seconds Note: Typical at 25°C <i>Performance unaffected by cable length</i></p>	<p>Units of Measure Measurement Units: <i>iS/cm, TDS, %, MU • cm</i> Temperature Units: °C, °F</p>
<p>Operational Environment Temperature Range: -5°C to 50°C Maximum Pressure: 85 psi @ 50°C Maximum Flow Rate: 10 ft/second</p>	<p>Calibration Zero: In dry air Span: 1 point Temperature: 1 and 2 point Note: Conductivity and temperature are precalibrated at the factory</p>
<p>Power Requirements Voltage Range: 10 to 30 VDC Maximum Power: 200 mW Typical Power: 120 mW Note: Class II DC power supply required</p>	<p>Other Configuration Options Sensor Filter: 0 to 100 seconds Temperature Filter: 0 to 100 seconds Concentration Table: User 10-point</p>
<p>Construction O-Rings: Viton® (<i>other materials available</i>) Sensor Head Material: CPVC Electrode Material: <i>Titanium (Standard) or 316 Stainless Steel</i> Weight: <i>1.2 lbs (PEEK®, Ryton® or CPVC)</i> <i>2.6 lbs (316 Stainless Steel)</i> Weight: <i>1.2 lbs</i></p>	<p>Approvals and Ratings Immunity & Emissions: CE (EN61326 and EN61326:1998) Safety: CE (EN 61010-1) UL 508 Hazardous Locations: UL Class I, Division 2</p>