

Turbidity System Specifications



Connect this Raw Water Turbidity 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 has a second measurement mode to report sediment load. It does this using a spectral measurement to compensate for particle color, size and shape.

- 0 to 4000 NTU measurement range
- Conforms to ISO 7027
- 90 degree and 180 degree light paths
- Rugged, foul resistant construction
- Local and Remote configuration and diagnostics
- Temperature measurement included
- Direct data reporting
- Plug & play industrial communications adapters

<p>Measurement System Performance Range: 0 TO 4000 NTU Resolution: 0.1 NTU Accuracy: 0.2 NTU Step Responce Time: 90% in 15 seconds <i>Note: Typical at 25 C; Preformance unaffected by cable length.</i></p>	<p>Units of Measure Windows: Quartz or Sapphire Optical Topology: Multi-Color Source O-Rings: Viton (other materials available) Sensor Head Material: Polycarbonate Weight: 1.2lbs</p>
<p>Operational Environment Temperature Range: -5 to 50 C Maxium Pressure: 150 psi @ 50 C Maxium Flow Rate: 10 ft./Sec.</p>	<p>Calibration Sample: 1 point Zero: 1 point Temperature: 1 and 2 point <i>Note: Turbidity and temperature are precalibrated at the factory</i></p>
<p>Power Requirements Voltage Range: 10 to 30 VDC Maxium Power: 200 mW Typical Power: 120 mW <i>Note: Class II DC power supply required</i></p>	<p>Other Configuration Options Sensor Filter: 0 to 100 seconds Temperature Filter: 0 to 100 seconds</p>
<p>Construction Windows: Quartz or Sapphire Optical Topology: Multi-Color Source O-Rings: Viton (other materials available) Sensor Head Material: Polycarbonate Weight: 1.2lbs</p>	<p>Approvals and Ratings Immunity and Emissions: CE (EN61326 and EN61326:1998) Safety: CE (EN 61010-1) UL 508 Hazardous Locations: UL Class 1, Division 2 Turbidity Measurements: ISO 7027</p>