

## Ozono System Specifications



**Connect this Ozone 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                  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>Construction                  Process Electrodes: <i>Gold Cathode, Silver Anode, Silver Reference</i>                  (3 Electrode Polarographic Clark Cell)                  Guard: Platinum                  Membrane: <i>PFA Teflon</i>                  O-Rings: <i>Viton® (other materials available)</i></p>
<p>Operational Environment                  Temperature Range: -5°C to 50°C                  Maximum Pressure: 150 psi @ 50°C                  Maximum Flow Rate: 10 ft/second</p>	<p>Calibration                  Air: <i>Automatically adjusts for set pressure</i>                  Sample: <i>1 point</i>                  Zero: <i>1 point</i>                  Temperature: <i>1 and 2 point</i>                  Note: <i>Ozone and temperature are precalibrated at the factory</i></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</p>
<p>Units of Measure                  Measurement Units: <i>ppm, mg/l, %</i>                  Temperature Units: <i>°C, °F</i></p>	<p>Approvals and Ratings                  Immunity &amp; Emissions: CE (EN61326 and EN61326:1998)                  Safety: CE (EN 61010-1) UL 508                  Hazardous Locations: UL Class I, Division 2</p>