

AdvantEDGE Ozone



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

Connect this Dissolved 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.

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

Operational Environment

PEEK®

Sensor Head

Temperature Range: -5°C to 50°C

Maximum Pressure: 150 psi @ 50°C

Maximum Flow Rate: 10 ft/second

Power Requirements

Voltage Range: 10 to 30 VDC

Maximum Power: 200 mW

Typical Power: 120 mW

Note: Class II DC power supply required

Construction

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®

Units of Measure

Measurement Units: ppm, mg/l, %

Temperature Units: °C, °F

Calibration

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

Other Configuration Options

Sensor Filter: 0 to 100 seconds

Temperature Filter: 0 to 100 seconds

Approvals and Ratings

Immunity & Emissions: CE (EN61326 and EN61326:1998)

Safety: CE (EN 61010-1) UL 508

Hazardous Locations: UL Class I, Division 2

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Construction

Process Electrodes: Gold Cathode, Silver Anode,
Silver Reference
(3 Electrode Polarographic Clark Cell)

Guard: Platinum

Membrane: PFA Teflon

O-Rings: Viton® (other materials available)

Units of Measure

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