

Model 240 Chlorine Dioxide Sensor Model 241 Trace Chlorine Dioxide Sensor

Features

- Measure Chlorine Dioxide from 0.01 to 5 mg/l
- Up to 12 Months Electrolyte Life
- Typical Calibration Cycles from 1 to 4 Months
- Compatible with Sodium Hypochlorite/Hydrochloric Acid or Sodium Chlorite/Chlorine Gas Production of Chlorine Dioxide
- Convenient Replaceable Membrane Cap
- Compact Design

Applications

- Potable Water
- Cooling Water
- Reverse Osmosis
- Food Processing
- Swimming Pools



Description

The Models 240 and 241 Chlorine Dioxide Sensors are amperometric sensors having a gold cathode and silver/silver chloride anode with a rugged PTFE membrane. When the sensor is immersed in water containing chlorine dioxide, chlorine dioxide diffuses through the PTFE membrane. Chlorine dioxide molecules are reduced at the gold cathode to chloride ions and silver is oxidized to silver chloride at the anode. The resulting current is a direct measurement of the concentration of the chlorine dioxide in the process.

Specifications

Measuring Range Model 240 Measuring Range Model 241	0.05 to 20 mg/l 0.01 to 5 mg/l
Response Time Upscale	90% < 2 min., 99% < 5 min.
Polarization Time Model 240 Polarization Time Model 241	1st Polarization in 30 min, 2nd in 10 min. 1st Polarization in 90 min, 2nd in 45 min.
Minimum Flow Velocity Minimum Flow Rate for Flow Cell	15 cm/sec (0.5 ft/sec) 30 l/h (8.0 gal/h)
Temperature Sensor	NTC 10K @ 25oC
Temperature Rating	2 to 45oC (35.6 to 113oF)
Pressure Rating	1 bar (14.5 psi)
Enclosure Rating (Waterproof)	IP68
Average Life Electrolyte	12 months

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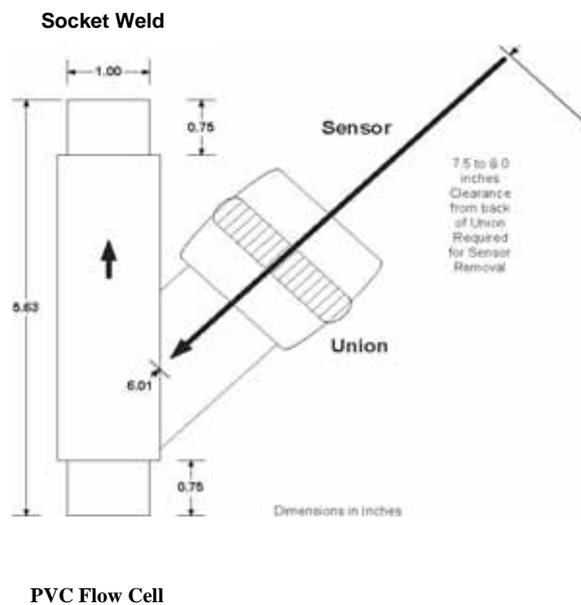
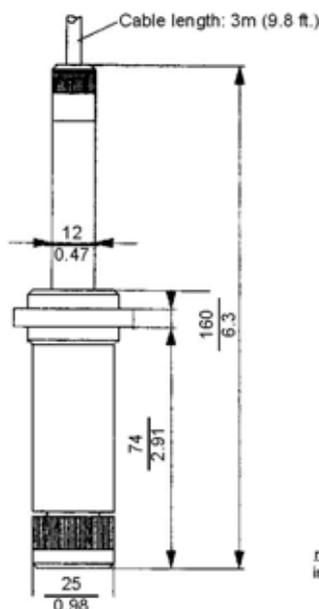
Ordering Information

Model	Description
M - 240	Chlorine Sensor, Range 0.05 to 20 mg/l
M - 241	Trace Chlorine Sensor, 0.01 to 5 mg/l
Code	Description
N	With Temperature Compensation
Y	Without Temperature Compensation
M - 240 - N	Order Number Example

Accessories

Order Number	Description
50028447	PVC Flow Assembly
50005255	Two Replacement Membrane Cartridges
50064294	Electrolyte Refill, 50 ml

Dimensions:



Kontaktinformationer:

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