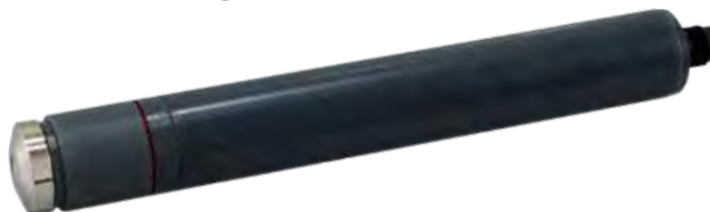


Chlorine Dioxide Sensor Digital

90S220000 · 90S020000



The application areas of this sensor extend to almost all water qualities. It is resistant to chemicals and detergents thanks to a special membrane system. The chlorine dioxide sensor is also resistant to chlorine. Ozone is measured with a 25 times higher sensitivity than chlorine dioxide. The measuring cell can be used in the pH range from pH >1 up to the limit of stability of chlorine dioxide in alkaline solutions. Precipitation, such as lime, can block the membrane! The Sensor has a plug and is not delivered with a fixed cable.

Benefits

- Surfactants are partially tolerated
- Abrasive particles are tolerated
- Higher temperatures are possible

Applications

- All types of water treatment

Accessories

- Cable: Extension cables of 0.3 m, 2 m, 10 m, 25 m
- Controller: TriBox3, TriBox Mini, HS100
- Fittings: FlowCell

Technical Specifications

Measurement technology	Membrane-covered, amperometric 2-electrode system	
Measurement principle	Amperometry	
Parameter	Chlorine dioxide	
Measuring range	0...2 mg/L, 0...20 mg/L	
Measurement accuracy	Measurement range 2 mg/L: at 0.4 mg/L & 1.6 mg/L < 1% Measurement range 20 mg/L: at 1.5 mg/L < 0.1%	
Temperature compensation	Automatic through integrated temperature sensor Pt100	
Response time	T90: ~ 1 min	
Housing material	PVC-U, Stainless steel 1.4571	
Dimensions (L x Ø)	205 x 25 mm	~ 8.1" x 1"
Weight	0.12 kg	~ 0.3 lbs
Interface	RS-485, Modbus RTU	
Power consumption	0.6 W	
Power supply	12...24 VDC (± 10 %)	

Connector	8-pin M12-plug	
Maintenance effort	≤ 0.5 h/month (typical)	
Calibration/maintenance interval	Membrane cap change: every 24 months; Electrolyte change: every 3 - 6 months	
System compatibility	Modbus RTU	
Warranty	1 Year (EU: 2 years) on electronics; All wearing parts are not included in the warranty	
Max. pressure	1 bar	~ 14.5 psig
Protection type	IP68	NEMA 6P
Sample temperature	+5...+50 °C	~ +41 °F... +122 °F
Ambient temperature	+5...+55 °C	~ +41 °F... +131 °F
Storage temperature	+5...+35 °C	~ +41 °F... +95 °F