

Chlorine dioxide sensor CD10.1 (CD7)



- Drinkable water, sea water
- Surfactants: partial tolerance
- Temperature: 50 °C max.
- Pressure: 1 bar max.

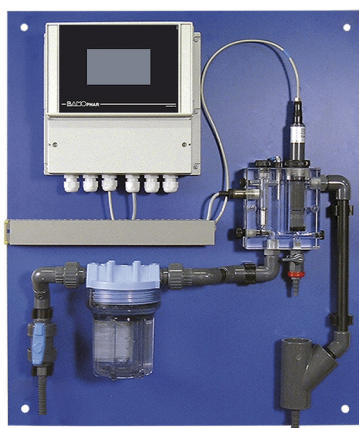
TECHNICAL FEATURES

Measured parameter	Chlorine dioxide
Applications	Water treatment (for water equivalent to drinkable quality) and sea water e.g.: Bottles disinfection, CIP etc. Surfactants: partial tolerance
Measuring system	Closed cell with 2 electrodes and electrolyte
Supply voltage	12 ... 30 V DC (Load 500 to 900 Ω)
Output signal	4-20 mA, terminal 2 connectors (2x1mm ²) No galvanic insulation
Operating temperature	From 1 to 50 °C Automatic temperature compensation
Operating pressure	1 bar max. (No vibrations, no pulsating flow)
Flow rate	About 30 l/h
pH operating range	Between pH 1 and pH 11
Zero adjustment	Not necessary (from factory)
Slope calibration	Only 1 point with BAMOPHAR 194
Interferences	O ₃ is measured with a factor of 25 compared to ClO ₂ Cl ₂ : Factor of 0,1
Materials	PVC-U and AISI 316 Ti (1.4571)
Dimensions	O.D. 25 mm, length 220 mm (4-20 mA)

CE Conformy: The instrument meets the legal requirements of the current European Directives

CODE NUMBERS AND REFERENCES

Code	Reference	Measuring range	Resolution
193 103	CD7.MA05	0,01...0.5 mg/l	0.001 mg/l
193 108	CD10.1MA2	0,005...2 mg/l	
193 109	CD10.1MA5	0,05...5 mg/l	0.01 mg/l
193 110	CD10.1MA10	0,05...10 mg/l	
Spare parts			
193 904	M7N	Diaphragm for CD7	
193 914	M10.3N	Diaphragm for CD10.1	
193 956	ECD 7W	Electrolyte for CD7 and CD10.1 (100mL)	



Complete measuring system
(assembly sold separately)

Other versions on request (measuring range, power supply, output signal, connector, etc.)

Precautions

A constant flow rate of 15 to 30 l/h is recommended, as is the use of a suitable measuring chamber.
For easy installation of a complete system, we propose custom-made assembly panels for your specific application.

Recommendations

Check the measuring signal regularly, at least once a week.
The following indications depend on water quality:

- End cap replacement: once a year
- Electrolyte replacement: every 3 - 6 months

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