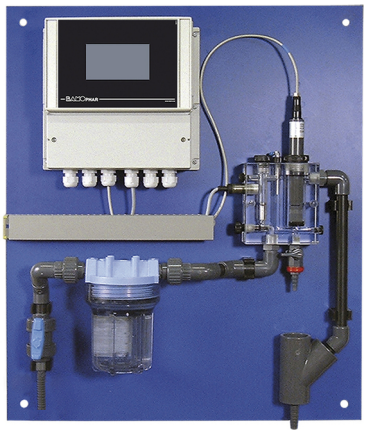
Chlorine dioxide sensor
CD7

193

- **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	High incidence of O_3 on measuring signal No incidence of Cl_2
Materials	PVC-U and AISI 316 Ti (1.4571)
Dimensions	O.D. 25 mm, length 220 mm (4-20 mA)
CE Conformity	**The instrument meets the legal requirements of the current European Directives.**



Complete measuring system
(assembly sold separately)

CODE NUMBERS AND REFERENCES

Code	Reference	Measuring range	Resolution
193 103	CD7.MA05	0...0.5 mg/l	0.01 mg/l
193 104	CD7.MA2	0...2 mg/l	
193 105	CD7.MA5	0...5 mg/l	
193 106	CD7.MA10	0...10 mg/l	
Spare parts			
193 904	M7N	Diaphragm for CD7	
193 956	ECD 7W	Electrolyte for CD7 (100mL)	

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

Precautions
Flow rate must be constant and a measuring cell with flow controller is necessary (data-sheet 193-95).
In order to install easily a complete system, we propose assemblies designed for specific applications (on request).

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