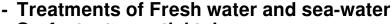
Free chlorine sensor CS4



- Surfactants: partial tolerance
- Low incidence of pH changes
- Temperature: 45 °C max.
- Pressure: 3 bar max.



Water treatment (for water equivalent to drinkable quality) and sea water

TECHNICAL FEATURES

Measured parameter Chlorination additives	_Free chlorine Inorganic compounds, such as NaOCI - Ca(OCI) ₂ - gaseous chlorine, chlorine by electrolysis Surfactants: partial tolerance
Measuring system	Closed cell with 3 electrodes and electrolyte
Supply voltage	_12 30 V DC (Load 500 to 900 Ω)
Output signal	4 20 mA, screw connectors (2 x 1mm²) No galvanic insulation
Operating temperature	1 to 45 °C Automatic temperature compensation
Operating pressure	3 bar max. (No vibrations, no pulsating flow)
Flow rate	About 30 l/h
pH operating range	4 to 9 pH - low incidence of pH changes
Conductivity	For sea water up to 50 mS/cm
Zero adjustment	Not necessary (from factory)
Slope calibration	Only 1 point with BAMOPHAR 194 according to directive DPD-1
Interferences	Incidence of CIO ₂ and O ₃ on measuring signal High level of combined chlorine may have an incidence on measuring signal
Materials	PVC-U and AISI 316 Ti
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

Reference	Measuring range	Resolution
CS4.MA2	0.0012 mg/l	0.001 mg/l
CS4.MA5	0.015 mg/l	0.01 mg/l
CS4.MA10	0.0110mg/l	0.01 mg/l
CS4.MA20	0.0120 mg/l	0.01 mg/l
CS4.MA200	0.5200 mg/l	0.1 mg/l
M48.4E	Diaphragm for CS4 (excepted sea water)	
M48.4S	Diaphragm for CS4 on sea water	
ECS2.1	Electrolyte for CS4 sensor (100 ml)	
	CS4.MA2 CS4.MA5 CS4.MA10 CS4.MA20 CS4.MA200 M48.4E M48.4S	CS4.MA2 0.0012 mg/l CS4.MA5 0.015 mg/l CS4.MA10 0.0110mg/l CS4.MA20 0.0120 mg/l CS4.MA200 0.5200 mg/l M48.4E Diaphragm for CS4 (exc M48.4S Diaphragm for CS4 on services

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).





Complete measuring system (assembly sold separately)

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Free chlorine sensor CS4

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