Total chlorine sensor
CP2.1

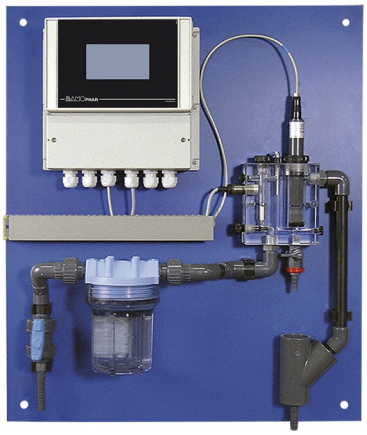
193

- **Water treatment, drinkable quality and sea water**
- **Low incidence of pH changes**
- **Surfactants: partial tolerance**
- **Operating temperature 45 °C max.**
- **Operating pressure 0.5 bar max.**

TECHNICAL FEATURES

Measuring parameter	Total chlorine (Free + combined chlorine)
Applications	Water treatment (drinkable quality water and sea water) Surfactants: partial tolerance
Chlorination additives	Inorganic compounds, such as NaOCl - $Ca(OCL)_2$ - gaseous chlorine - chlorine by electrolysis
Measuring system	Closed cell with 3 electrodes and electrolyte
Output signal	4 ... 20mA, screw connectors (2 x 1 mm^2) No galvanic insulation
Operating temperature	1 to 45 °C Automatic temperature compensation
Operating pressure	0.5 bar max. (No vibrations, no pulsating flow)
Flow rate	About 30 l/h
Supply voltage	12 ... 30 V DC, Load = 500 to 900Ω
pH operating range	pH 4 to pH 12 (low incidence of pH)
Interferences	Incidence of ClO_2 and O_3 on measuring signal
Zero adjustment	Not necessary (from factory)
Slope calibration	Only 1 point with BAMOPHAR 194 according to directive DPD-4
Materials	PVC-U, PEEK, AISI 316 Ti
Dimensions	O.D. 25mm, length 220mm (4-20mA)

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



Complete system (Assembly sold separately)

CODE NUMBERS AND REFERENCES

Code	Reference	Measuring range	Resolution
193 043	CP2.1.MA2	0.01 ... 2 mg/l	0.1 mg/l
193 044	CP2.1.MA5	0.01 ... 5 mg/l	
193 045	CP2.1.MA10	0.01 ... 10 mg/l	
Spare parts			
193 903	M48.2	Sensor end with diaphragm for CP2.1MA sensor	
193 XXX	ECP1.4/GEL	Electrolyte for CP2.1MA	

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 (see 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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