

Article-No. 461 7001



Properties

- tenside will be accepted partially
- appropriate chlorinate agent (inorganic chlorine compounds):
NaOCl (=chlorine bleaching lye)
Ca(OCl)₂
chlorine gas
chlorine produced by electrolysis

Applications

- swimming bathes
- drinking water monitoring

Technical data	
Measuring principle	Membrane covered, amperometric working potentiostatic 3-electrode system with integrated electronic
Measurand	free chlorine
Operating temperature	>5°C and <45°C
Temperature compensation	by automatically integrated temperature sensor
max. operating pressure	0.5 bar, no pressure surges and/or vibrations
Mass flow	approx. 30 L/h, low flow dependency exists
pH-range	pH 4 – pH 9, reduced pH-value-dependence
Running-in time	on first starting up approx. 2 h
Response time	T ₉₀ : approx. 30 s
Zero compensation	not necessary
Slope matching	on the meter by means of analytical determination of chlorine (DPD-1 method)
Disturbance	ClO ₂ : will be recorded O ₃ : will be measured with a slope of approx. 80 % (factor 0.8 referring to the slope of chlorine)
Dimensions	Diameter: approx. 25 mm Length: approx. 175 mm (4-pol-plug-adapter-connection) approx. 220 mm (4 to 20 mA, 2-pole clamp connection)
Storage	Probe: Frost-protected, dry and without electrolyte no limit at >5 and <40 °C. Used membrane caps can not be stored! Electrolyte: in original bottle protected from sunlight min. 1 year at >5 and <25 °C
Maintenance	regular inspection of the measuring signal min. once a week replacement of the membrane cap: once a year (depends on the water quality) electrolyte replacement: every 3 - 6 months

Sensor Data Sheet

Version	Measurement range in ppm	Resolution in ppm	Output source resistance	Connection
CS2.3N	0.05 – 20.00	0.01	0 to -2000 mV 1k Ω	4-pole plug-adapter
CS2.3Up	0.05 – 20.00	0.01	0 to 2000 mV 1k Ω	4-pole plug-adapter
CS2.3HUn	0.005 – 2,000	0.001	0 to -2000 mV 1k Ω	4-pole plug-adapter
CS2.3MA2	0.01- 2,00	0.01	4 to 20 mA uncalibrated	2-pole clamp
CS2.3MA5	0.01- 5,00	0.01	4 to 20 mA uncalibrated	2-pole clamp
CS2.3MA10	0.01- 10.00	0.01	4 to 20 mA uncalibrated	2-pole clamp