

# chlori::lyser I

- s::can plug & measure
- measuring principle: amperometric (membrane covered)
- ideal for drinking water
- chlori::lyser™ monitors free chlorine (Cl<sub>2</sub> + HOCl + OCl<sup>-</sup>) (optional: total chlorine or chlorine dioxide)
- long term stable and lowest maintenance in operation
- replacement of membrane only once a year
- readings stable even at high fluctuations of pH, temperature and flow
- compensates fluctuations of pH in an unmatched way (<5% per pH between 6 and 9 pH, <1% at <6 pH)
- low cross sensitivity to many surfactants
- cross sensitivities to chlorine dioxide, ozone can be compensated by using readings from spectro::lyser™
- factory precalibrated
- mounting and measurement in a flow cell
- operation via s::can terminals & s::can software



## recommended accessories

part number	article name
C-14	field case
F-50-4-eco	system panel for s::can sensors
F-50-4-pro	
C-210-sensor	10 m extension cable for s::can sensors and s::can ISE probes

## technical specification

measuring principle	amperometric	power supply	9 ... 18 VDC
measuring principle detail	potentiostatic 3-electrode system	interface connection to s::can terminals	sys plug, IP 68, RS485, 12 VDC
measuring range application	0 ... 2 mg/l FCl 0 ... 10 mg/l TCl (optional: 0 ... 10mg/l FCl)	cable length	9 m
resolution	0.001 mg/l (for 10mg/l ... 0.01 mg/l)	housing material	PVC, stainless steel
automatic compensation instrument	temperature	weight (min.)	300 g
automatic compensation cross sensitivities	pH, flow	dimensions (diameter x length)	30 x 267 mm
response time	2 min.	operating temperature	0 ... 45 °C
integration via	con::lyte 1 con::lyte 2 con::lyte 4 con::nect con::stat	operating pressure	0 ... 1 bar
		installation / mounting	flow cell
		flowrate	30 l/h (min.) 110 l/h (max.)
		pH range	4 ... 10
		protection class	IP 68

## drinking water

		typical concentration ranges for this application		
		free chlorine [mg/l]	total chlorine [mg/l]	part number
chlori::lyser (FCI)	min.	0		E-507-1
	max.	2		
chlori::lyser (FCI)	min.	0		E-507-2
	max.	10		
chlori::lyser (TCI)	min.		0	E-507-3
	max.		2	