



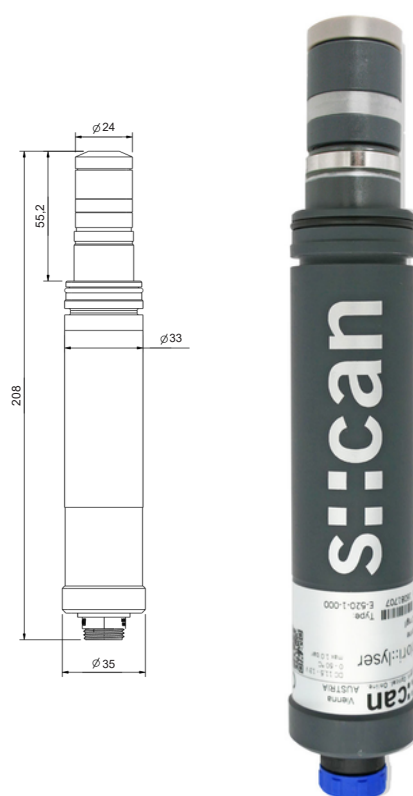
chlори::lyser for Drinking Water

chlори::lyser monitors free chlorine ($\text{Cl}_2 + \text{HOCl} + \text{OCl}^-$)
or total chlorine (free chlorine + combined chlorine)

- s::can plug & measure
- measuring principle: amperometric (membrane covered)
- ideal for drinking and pool
- long term stable and lowest maintenance in operation
- replacement of membrane only once a year
- stable readings even at high fluctuations of pH and temperature
- compensates fluctuations of pH in an unmatched way
pH range from 4 to 9 FCl; pH range from 4 to 12 TCl
- low cross sensitivity to many surfactants
- factory precalibrated
- mounting and measurement in a flow cell
- operation via s::can terminals & s::can software
- additionally also measures temperature

recommended accessories

part number	article name
D-330-xxx D-	con::cube V3
320-xxx S-11-	con::lyte
xx-moni F-45-	moni::tool Software
four C-1-010-	flow cell for four s::can physical probes
sensor E-525-	1 m connection cable for s::can physical and ISE probes
1/2-KIT E-	Total Chlorine electrolyte and membrane cap (spare parts)
520-1/2-KIT	Free Chlorine electrolyte and membrane cap (spare parts)
F-45-flow-1 F-	Automatic flow control unit
45-alarm	Flow detector unit



SCA-DS-04975-EN-02 (September, 2025)



technical specification			
measuring principle	amperometric	housing material	PVC
measuring principle detail	potentiostatic 3-electrode system		Stainless steel 1.4571
resolution	E-520-1 and E-525-1: 0.001 mg/l E-520-2 and E-525-2: 0.01 mg/l	weight (min.)	150 g
automatic compensation instrument	temperature	dimensions (Ø x l)	35 x 208 mm
automatic compensation cross sensitivities	pH	operating temperature	0 ... 45 °C
response time (T90)	2 min.	operating pressure	0 ... 3 bar
integration via	con::lyte con::nect	installation / mounting	flow cell
power supply	9 ... 30 VDC	process connection	quick connect
power consumption (typical)	0.5 W	recommended flow	15 ... 30 l/h (in s::can flow cell)
power consumption (max.)	0.6 W	pH range free chlorine	4 ... 9
interface to s::can terminals	sys plug (IP67), RS485	pH range TCl	4 ... 12
		storage temperature	0 ... 45 °C
		conformity - EMC	EN 61326-1

measuring range					
		parameter			
		free chlorine [mg/l]	total chlorine [mg/l]	temperature [°C]	part number
chlori::lyser (FCl)	min.	0		0	E-520-1-000
	max.	2		45	
chlori::lyser (FCl)	min.	0		0	E-520-2-000
	max.	20		45	
chlori::lyser (FCl)	min.		0	0	E-525-1-000
	max.		2	45	
chlori::lyser (FCl)	min.		0	0	E-525-2-000
	max.		2	45	
			0		



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