



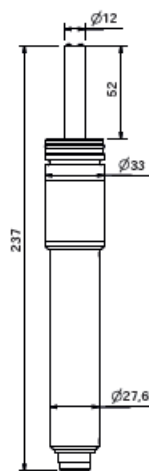
## condu::lyser

condu::lyser monitors conductivity, temperature & salinity

- s::can plug & measure
- measuring principle condu::lyser: 4-electrode, direct-contact measurement
- multiparameter sensor
- ideal for surface water, ground water and drinking water, also waste water
- long term stable and maintenance free in operation
- factory precalibrated
- mounting and measurement directly in the media (InSitu) or in a flow cell
- operation via s::can terminals & s::can software
- plug connection or fixed cable

### recommended accessories

part number	article name
C-1-010-sensor	1 m connection cable for s::can physical probes
D-315-xxx	con::cube
D-319-xxx	con::lyte
F-12-sensor	carrier s::can physical probes
F-45-four	flow cell for four s::can physical probes
F-46-four-iscan	i::scan flow cell for up to 3 additional s::can probes
F-45-sensor	flow cell for s::can sensor
S-11-xx-moni	moni::tool Software





#### technical specification

measuring principle	4-electrode, direct-contact	housing material	Stainless steel 1.4435, FDA-approved PEEK, FDA-approved EPDM, FKE, PMO-C
measuring range application	0 ... 500,000 $\mu$ S/cm 2 ... 42 PSU	weight (min.)	240 g
accuracy	1% of reading	dimensions (diameter x length)	33 x 237 mm
automatic compensation instrument	temperature	operating temperature (immersed)	-20 ... 60 °C
integrated temperature sensor	-20 ... 130 °C	operating temperature (in flow cell)	-20 ... -110 °C
integration via	con::lyte 1 con::lyte 2 con::lyte 4 con::nect con::cube	operating pressure	0 ... 5.8 bar
power supply	7 ... 30 VDC	installation / mounting	submersed or in a flow cell
power consumption (typical)	0.06 W	process connection	quick connect
power consumption (max.)	0.15 W	flow velocity	3 m/s (max.)
interface connection to s::can terminals	sys plug, IP68, RS485, 12 VDC	conformity - EMC	EN 61326-1:2006 EN 300328 V 1.7.1:2006 EN 301489-17 V2.1.1:2009 EN 301489-1 V 1.8.1:2008
cable length	7.5 m fixed cable (-075) or plug connection (-000)	conformity - safety	EN 61010-1:2001
		protection class (-000)	IP67
		protection class (-075)	IP68

#### surface water

		typical concentration ranges for this application			part number
		conductivity [ $\mu$ S/cm]	temperature [°C]	salinity [PSU]	
condu::lyser	min.	0	0	2	E-511-2-000 / -075
	max.	500000	60	15	

#### drinking water

		typical concentration ranges for this application		part number
		conductivity [ $\mu$ S/cm]	temperature [°C]	
condu::lyser	min.	0	0	E-511-2-000 / -075
	max.	500000	50	