

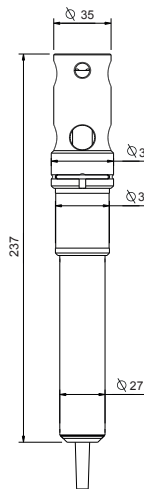
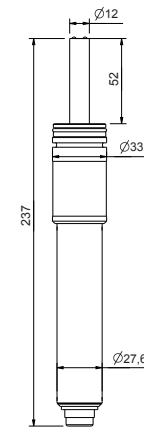
condu::lyser

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 and ISE 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	weight (min.)	240 g
measuring range application	0 ... 500,000 µS/cm 2 ... 42 PSU	dimensions (Ø x l)	33 x 237 mm
resolution	1 µS/cm	operating temperature	0 ... 70 °C
accuracy (standard solution)	1% of reading	temperature for autoclaving and steam sterilization	max. 130 °C for 30 min.
automatic compensation instrument	temperature	storage temperature	0 ... 60 °C
integrated temperature sensor	-20 ... 130 °C	operating pressure	0 ... 20 bar
integration via	con::cube con::lyte con::nect	installation / mounting	submersed or in a flow cell
power supply	7 ... 30 VDC	process connection	quick connect
power consumption (typical)	0.06 W	flow velocity	0.01 m/s (min.) 3 m/s (max.)
power consumption (max.)	0.15 W	automatic cleaning	media: compressed air permissible pressure: 2 ... 6 bar cleaning interval: depending on application
interface to s::can terminals	sys plug (IP67), RS485	conformity - EMC	EN 61326-1
cable length	7.5 m fixed cable (-075) or plug connection (-000)	protection class (-000)	IP67
housing material	Stainless steel 1.4435, FDA-approved PEEK, POM-C	protection class (-075)	IP68

surface water

		concentration ranges and sensor/probe type for this application			
		conductivity [µS/cm]	temperature [°C]	salinity [PSU]	part number
condu::lyser	min.	0	0	2	E-511-2-000 / -075
	max.	500000	60	15	

drinking water

		concentration ranges and sensor/probe type for this application			
		conductivity [µS/cm]	temperature [°C]		part number
condu::lyser	min.	0	0		E-511-2-000 / -075
	max.	5000	50		