

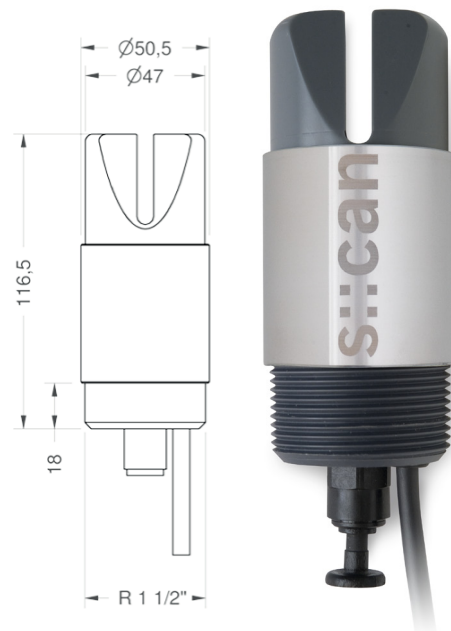
solii:lyser

solii:lyser monitors TSS or MLSS

- s::can plug & measure
- measuring principle: optical (infrared absorbance)
- ideal for waste water
- long term stable and maintenance free in operation
- factory precalibrated (2 measuring ranges available)
- automatic cleaning with compressed air
- mounting and measurement directly in the media (InSitu) or in a flow cell
- operation via s::can terminals & s::can software
- minimal maintenance (no waste parts)
- most cost efficient sensor, cost of ownership are unmatched

recommended accessories

part number	article name
F-11-oxi-ammo	carrier oxi:lyser / solii:lyser / s::can ISE probes
F-48-oxi	oxi:lyser or solii:lyser flow-cell (by-pass setup), PVC
C-210-sensor	10 m extension cable for s::can physical probes and s::can ISE probes
B-44	cleaning valve
B-44-2	
D-315-xxx	con::cube
D-319-xxx	con::lyte



technical specification

measuring principle	optical	interface to s::can terminals	sys plug (IP67), RS485
measuring principle detail	infrared (880nm)	cable length	10 m
measuring range application	0.25 ... 30 g/l TSS/MLSS (E-505-1-075) 0 ... 1500 mg/l TSS (E-505-2-075)	cable type	22 AWG, polyurethane jacket
resolution	10 mg/l between 1000 and 9999 mg/l 100 mg/l above 10 g/l 1 mg/l below 1000mg/l	housing material	epoxy, stainless steel
accuracy	TSS/MLSS: +/- 100 mg/l or +/- 5 %* (E-505-1-075) TSS: +/- 2 mg/l or +/- 5 %* (E-505-2-075) (*whichever is greater)	weight (min.)	540 g
repeatability	± 1 %	dimensions (Ø x l)	51 x 117 mm
automatic compensation instrument	temperature	operating temperature	0 ... 60 °C
response time	60 ... 0 sec.	operating pressure	0 ... 6.8 bar
integration via	con::cube con::lyte con::nect	installation / mounting	submersed or in a flow cell
power supply	6 ... 16 VDC	process connection	R 1 1/2"
power consumption (max.)	0.32 W	ingress protection class	IP68
		automatic cleaning	media: compressed air permissible pressure: 2 ... 4.5 bar air volume: 5 ... 10 l per cleaning duration: 2 ... 10 sec. per cleaning cleaning interval: depending on application
		conformity - EMC	EN 50081-2, EN55011
		conformity - safety	EN 61000-4, EN61010-1
		extended warranty (optional)	2 years
		storage temperature (sensor)	0 ... 60 °C

municipal WWTP influent

		concentration ranges and sensor/probe type for this application	
		TSS [g/l]	part number
soli::lyser (TSS)	min.	0.25	E-505-1-075
	max.	30	

municipal WWTP aeration

		concentration ranges and sensor/probe type for this application		
		TSS [g/l]	MLSS [g/l]	part number
soli::lyser (TSS)	min.	0.25		E-505-1-075
	max.	30		
soli::lyser (MLSS)	min.		0.25	E-505-1-075
	max.		30	

municipal WWTP effluent

		concentration ranges and sensor/probe type for this application	
		TSS [mg/l]	part number
soli::lyser (TSS)	min.	0	E-505-2-075
	max.	1500	