oxi::lyser™
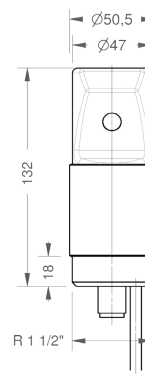
oxi::lyser™ monitors disolved oxygen & temperature

· s::can plug & measure
· measuring principle: optical / fluorescence
· multiparameter sensor
· ideal for surface water, ground water, drinking water and waste water
· long term stable and maintenance free in operation
· factory precalibrated
· automatic cleaning with compressed air
· mounting and measurement directly in the media (InSitu) or in a flow cell
· no flow necessary
· operation via s::can terminals & s::can software
· minimal maintenance (no consumables)

recommended accessories	
part number	**article name**
D-330-xxx	con::cube V3
D-320-xxx	con::lyte
B-44	cleaning valve
B-44-2	
C-1-010-sensor	1 m connection cable for s::can physical and ISE probes
F-45-oxi	flow cell for oxi::lyser™ and soli::lyser

technical specification

measuring principle	fluorescence	housing material	CPVC, stainless steel, epoxy
resolution	0.01 mg/l O_2	weight (min.)	540 g
accuracy (standard solution)	O_2: +/- 0.02 mg/l or +/- 1 %* (*whichever is greater)	dimensions (Ø x l)	50.5 mm x 132 mm
		operating temperature	0 ... 60 °C
response time (T90)	60 ... 0 sec.	operating pressure	0 ... 7 bar
reference standard	saturated sodium sulfite solution	installation / mounting	submersed or in a flow cell
integrated temperature sensor	0 ... 50 °C	process connection	R 1 1/2"
resolution temperature sensor	0.2 °C	pH range	2 ... 10
integration via	con::cube con::lyte con::nect	ingress protection class	IP68
		automatic cleaning	media: compressed air permissible pressure: 2 ... 4.5 bar
power supply	6 ... 16 VDC	storage temperature	0 ... 60 °C
power consumption (max.)	0.32 W	conformity - EMC	EN 50081-2, EN55011
interface to s::can terminals	sys plug (IP67), RS485	conformity - safety	EN 61000-4, EN61010-1
cable length	10 m	extended warranty (optional)	3 years

measuring range

		parameter		
		O_2 [mg/l]	temperature [°C]	part number
oxi::lyser (O_2, temp)	min.	0	0	E-501-075
	max.	25	50	