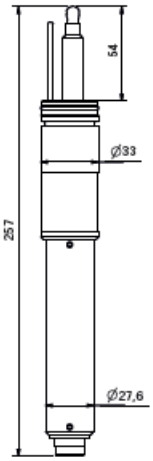
redo::lyser

redo::lyser monitors ORP and temperature

redo::lyser pro: high temperature range

- s::can plug & measure
- measuring principle: unique, non-porous / non-leaking combined reference electrode for technically unrivalled and consistend ORP performance
- 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 flow cell
- operation via s::can terminals & s::can software
- plug connection or fixed cable



recommended accessories

part number	article name
D-315-xxx	con::cube
D-319-xxx	con::lyte
F-12-sensor	carrier s::can physical probes
F-48-sensor	s::can Sensor flow-cell (by-pass setup), PVC
S-11-xx-moni	moni::tool Software

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technical specification	
measuring principle	potentiometric
measuring principle detail	combined, non-porous reference electrode
measuring range application	-2000 mV ... +2000 mV
resolution	1 mV
accuracy	10 mV
automatic compensation instrument	temperature
response time	30 sec.
integrated temperature sensor	0 ... 100 °C
integration via	con::cube con::lyte 1 con::lyte 2 con::lyte 4 con::nect
power supply	9 ... 18 VDC
power consumption (typical)	0.8 W
power consumption (max.)	1 W
interface connection to s::can terminals	sys plug, IP68, RS485, 12 VDC

cable length	7.5 m fixed cable (-075) or plug connection (-000)
housing material	PVC, stainless steel
weight (min.)	400 g
dimensions (diameter x length)	33 x 257 mm
operating pressure	0 ... 10 bar
installation / mounting	submersed or in a flow cell
process connection	quick connect
flow velocity	0.01 m/s (min.) 3 m/s (max.)
conformity - EMC	EN 50011:2007 EN 61326:2006 EN 61000-4
conformity - safety	EN 61010-1, UL508
operating temperature (peco)	0 ... 70 °C
operating temperature (pro)	0 ... 90 °C
storage temperature (electrode)	-5 ... 30 °C
storage temperature (sensor)	0 ... 60 °C
protection class (-000)	IP67
protection class (-075)	IP68

municipal WWTP influent		typical concentration ranges for this application		
		Redox [mV]	temperature [°C]	part number
redo::lyser pro (ORP, temp)	min.	-2000	0	E-513-3-000 / -075
	max.	2000	80	

municipal WWTP aeration		typical concentration ranges for this application		
		Redox [mV]	temperature [°C]	part number
redo::lyser pro (ORP, temp)	min.	-2000	0	E-513-3-000 / -075
	max.	2000	80	

municipal WWTP effluent		typical concentration ranges for this application		
		Redox [mV]	temperature [°C]	part number
redo::lyser eco (ORP, temp)	min.	-1000	0	E-513-2-000 / -075
	max.	1000	60	

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