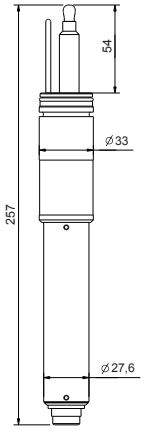
redo::lyser

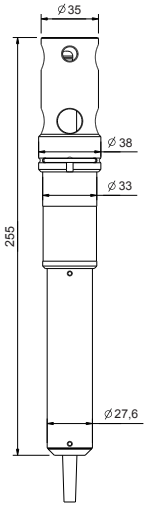
redo::lyser monitors ORP and temperature

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





s::can
Intelligent. Optical. Online.

technical specification

measuring principle	potentiometric
measuring principle detail	combined, non-porous reference electrode
measuring range application	-2000 mV ... +2000 mV
resolution	1 mV
accuracy (standard solution)	+/- 10 mV
response time	30 ... 0 sec.
integrated temperature sensor	0 ... 90 °C
integration via	con::cube con::lyte con::nect
power supply	9 ... 18 VDC
power consumption (typical)	0.8 W
power consumption (max.)	1 W
interface to s::can terminals	sys plug (IP67), RS485
cable length	7.5 m fixed cable (-075) or plug connection (-000)
housing material	stainless steel 1.4404/1.4401, POM-C

weight (min.)	400 g
dimensions (Ø x l)	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.)
automatic cleaning	media: compressed air permissible pressure: 3 ... 6 bar cleaning interval: depending on application
conformity - EMC	EN 61326-1
conformity - safety	EN 61010-1
operating temperature (eco)	0 ... 70 °C
operating temperature (pro)	0 ... 90 °C
storage temperature (electrode)	-5 ... 30 °C
storage temperature (sensor)	-10 ... 60 °C
protection class (-000)	IP67
protection class (-075)	IP68

municipal WWTP influent

		concentration ranges and sensor/probe type 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

		concentration ranges and sensor/probe type 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

		concentration ranges and sensor/probe type 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	