

pH::lyser

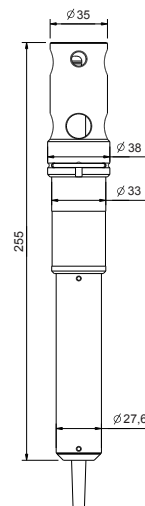
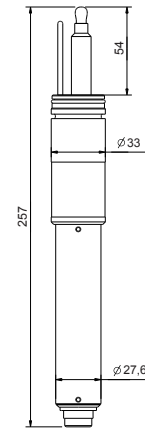
pH::lyser eco monitors pH & temperature

pH::lyser pro: high temperature range

- s::can plug & measure
- measuring principle: unique, non-porous / non-leaking combined reference electrode for technically unrivalled and consistent pH performance
- multiparameter sensor
- ideal for surface water, ground water, drinking water and 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
- optional: automatic cleaning with compressed air
- 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



technical specification

measuring principle	potentiometric	housing material	stainless steel 1.4404/1.4401, POM-C
measuring principle detail	combined, non-porous reference electrode	weight (min.)	400 g
measuring range application	pro: 0 ... 14 pH eco: 2 .. 12 pH	dimensions (Ø x l)	33 x 257 mm
resolution	0.01 pH	operating pressure	0 ... 10 bar
accuracy (standard solution)	0,1 pH	installation / mounting	submersed or in a flow cell
automatic compensation instrument	temperature	process connection	quick connect
response time	30 ... 0 sec.	flow velocity	3 m/s (max.) 0.01 m/s (min.)
integrated temperature sensor	0 ... 90 °C	automatic cleaning	media: compressed air permissible pressure: 3 ... 6 bar cleaning interval: depending on application
integration via	con::cube con::lyte con::nect	conformity - EMC	EN 61326-1
power supply	9 ... 18 VDC	conformity - safety	EN 61010-1
power consumption (typical)	0.8 W	operating temperature (eco)	0 ... 70 °C
power consumption (max.)	1 W	operating temperature (pro)	0 ... 90 °C
interface to s::can terminals	sys plug (IP67), RS485	storage temperature (electrode)	-5 ... 30 °C
cable length	7.5 m fixed cable (-075) or plug connection (-000)	storage temperature (sensor)	-10 ... 60 °C
cable type	PU jacket	protection class (-000)	IP67
		protection class (-075)	IP68

municipal WWTP influent

		concentration ranges and sensor/probe type for this application		
		pH [pH]	temperature [°C]	part number
pH::lyser pro (pH, temp)	min.	0	0	E-514-3-000 / -075
	max.	14	70	

municipal WWTP aeration

		concentration ranges and sensor/probe type for this application		
		pH [pH]	temperature [°C]	part number
pH::lyser pro (pH, temp)	min.	0	0	E-514-3-000 / -075
	max.	14	70	

municipal WWTP effluent

		concentration ranges and sensor/probe type for this application		
		pH [pH]	temperature [°C]	part number
pH::lyser eco (pH, temp)	min.	2	0	E-514-2-000 / -075
	max.	12	60	