



## 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

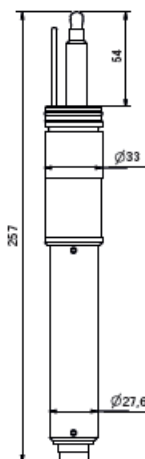
factory precalibrated

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 1.4571, 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 (diameter x length)	33 x 257 mm
resolution	0.01 pH	operating pressure	0 ... 10 bar
accuracy	0,1 pH	installation / mounting	submersed or in a flow cell
automatic compensation instrument	temperature	process connection	quick connect
response time	30 sec.	flow velocity	3 m/s (max.) 0.01 m/s (min.)
integrated temperature sensor	0 ... 100 °C	automatic cleaning	media: compressed air permissible pressure: 4 ... 6 bar cleaning interval: depending on application
integration via	con::cube con::lyte 1 con::lyte 2 con::lyte 4 con::nect	conformity - EMC	EN 50011:2007 EN 61326:2006 EN 61000-4
power supply	9 ... 18 VDC	conformity - safety	EN 61010-1:2001
power consumption (typical)	0.8 W	operating temperature (peco)	0 ... 70 °C
power consumption (max.)	1 W	operating temperature (pro)	0 ... 90 °C
interface connection to s::can terminals	sys plug, IP68, RS485, 12 VDC	storage temperature (electrode)	-5 ... 30 °C
cable length	7.5 m fixed cable (-075) or plug connection (-000)	storage temperature (sensor)	0 ... 60 °C
cable type	PU jacket 2x2x0.25	protection class (-000)	IP67
		protection class (-075)	IP68

municipal WWTP influent				
		typical concentration ranges 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				
		typical concentration ranges 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				
		typical concentration ranges 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	