New Zealand Office Contact Details
Tel: 0800 DCM456 (NZ only)
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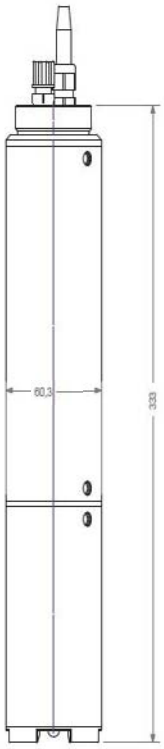
ammo::lyser™ eco

·· s::can plug & measure
··measuring principle: ISE (ionselective electrodes) - without potassium compensation
··multiparameter probe
·· ammo::lyser™ II eco: monitors NH4-N and temperature
·· ammo::lyser™ III eco+pH: monitors additionally pH
·· ammo::lyser™ III eco+NO3-N: monitors additionally NO3-N
·· ammo::lyser™ IV eco+pH+NO3-N: monitors additionally pH and NO3-N
·· long term stable, factory precalibrated
·· automatic cleaning with compressed air
·· easy & quick mounting and measurement directly in the media (InSitu) or in Bypass (monitoring station)
·· operation via s::can terminals & s::can software
·· compensation of disturbing influences – temperature and pH possible
·· ideal for surface water, ground water and drinking water, also for applications in waste water
··minimal maintenance
·· life time of membranes: typically 6 month (for applications <1mg/l NH4-N), resp. 1 to 2 years (for applications >1mg/l NH4-N)
·· negligible operational cost because of long membrane life time and the possibility of changing each membrane separately



recommended accessories	
part number	**article name**
F-11-ammo	carrier ammo::lyser™
F-44-ammo	Bypass fitting for ammo::lyser™
F-50-2	system-panel for s::can ISE probes and s::can sensors
C-210-sensor	10 m extension cable for s::can™ oxi::lyser™ and ammo::lyser™
B-44	cleaning valve

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technical specification

measuring principle	ISE	housing material	stainless steel 1.4571, POM C, glas electrodes
measuring range application	1 ... 1000 mg/l NH_4-N (factory precalibrated: 1 ... 100 mg/l NH_4-N)	weight (min.) dimensions (diameter x length)	2.7 kg max. 115 x 565 mm
resolution	NH_4-N: 0.02 ...19.99 mg/l NH_4 N: 20.0 ... 99.9 mg/l NH_4-N: 100 ... 1000 mg/l T: 0.1 °C	operating temperature	0 ... 60 °C
		storage temperature	0 ... 60 °C
		operating pressure	0 ... 400 mbar
automatic compensation cross sensitivities	type E-532-eco: temperature type E-532-eco-pH: temperature, pH type E-532-eco-NO_3-N: temperature type E-532-eco-NO_3-N-pH: temperature, pH	installation / mounting	submersed or Bypass (flow cell)
		process connection	G 1 1/2" outside
		flowrate	0.01 m/s (min.) 3 m/s (max.)
		protection class	IP 68
		automatic cleaning	media: compressed air permissible pressure: 3 ... 8 bar air volume: 3 ... 9 liter per cleaning cleaning duration: 4 ... 12 seconds per cleaning cleaning interval: 30 ... 120 minutes, depending on application delay: 10 ... 30 seconds
		conformity - EMC	EN 50081-1:1992 EN 50082-1:1992 EN 60555-2:1987 EN 60555-3:1987
		conformity - safety	EN 61010-1:2001
precalibrated ex-works	all parameters		
response time	10 sec.		
integration via	con::lyte 1 con::lyte 2 con::lyte 4 con::nect con::stat		
power supply	10 ... 30 VDC		
power consumption (typical)	0.72 W		
interface connection to s::can terminals	sys plug, IP 68, RS485, 12 VDC		
cable length	10 m		
cable type	PU jacket 2x2x0.25		

municipal WWTP influent

		typical concentration ranges for this application				
		NH_4-N [mg/l]	NO_2-N [mg/l]	pH [pH]	temperature [°C]	part number
ammo::lyser™ II eco (NH_4, temp)	min.	1			0	E-532-eco
	max.	1000			60	
ammo::lyser™ III eco+NO_3-N (NH_4, temp, NO_3-N)	min.	1	1		0	E-532-eco-NO_3-N
	max.	1000	1000		60	
ammo::lyser™ III eco+pH (NH_4, temp, pH)	min.	1		2	0	E-532-eco-pH
	max.	1000		12	60	
ammo::lyser™ IV eco+NO_3-N+pH (NH_4, temp, NO_3 N, pH)	min.	1	1	2	0	E-532-eco-NO_3-N pH
	max.	1000	1000	12	60	

municipal WWTP aeration

		typical concentration ranges for this application				
		NH_4-N [mg/l]	NO_2-N [mg/l]	pH [pH]	temperature [°C]	part number
ammo::lyser™ II eco (NH_4, temp)	min.	1			0	E-532-eco
	max.	1000			60	
ammo::lyser™ III eco+NO_3-N (NH_4, temp, NO_3-N)	min.	1	1		0	E-532-eco-NO_3-N
	max.	1000	1000		60	
ammo::lyser™ III eco+pH (NH_4, temp, pH)	min.	1		2	0	E-532-eco-pH
	max.	1000		12	60	
ammo::lyser™ IV eco+NO_3-N+pH (NH_4, temp, NO_2-N, pH)	min.	1	1	2	0	E-532-eco-NO_3-N-pH
	max.	1000	1000	12	60	

municipal WWTP aeration

		typical concentration ranges for this application				
		NH_4-N [mg/l]	NO_2-N [mg/l]	pH [pH]	temperature [°C]	part number
ammo::lyser™ II eco (NH_4, temp)	min.	1			0	E-532-eco
	max.	1000			60	
ammo::lyser™ III eco+NO_3-N (NH_4, temp, NO_3-N)	min.	1	1		0	E-532-eco-NO_3-N
	max.	1000	1000		60	
ammo::lyser™ III eco+pH (NH_4, Temp, pH)	min.	1		2	0	E-532-eco-pH
	max.	1000		12	60	
ammo::lyser™ IV eco+NO_3-N+pH (NH_4, temp, NO_3-N, pH)	min.	1	1	2	0	E-532-eco-NO_3-N-pH
	max.	1000	1000	12	60	