Water Quality Physical Sensor

ammo::lyser eco for Wastewater

DESCRIPTION

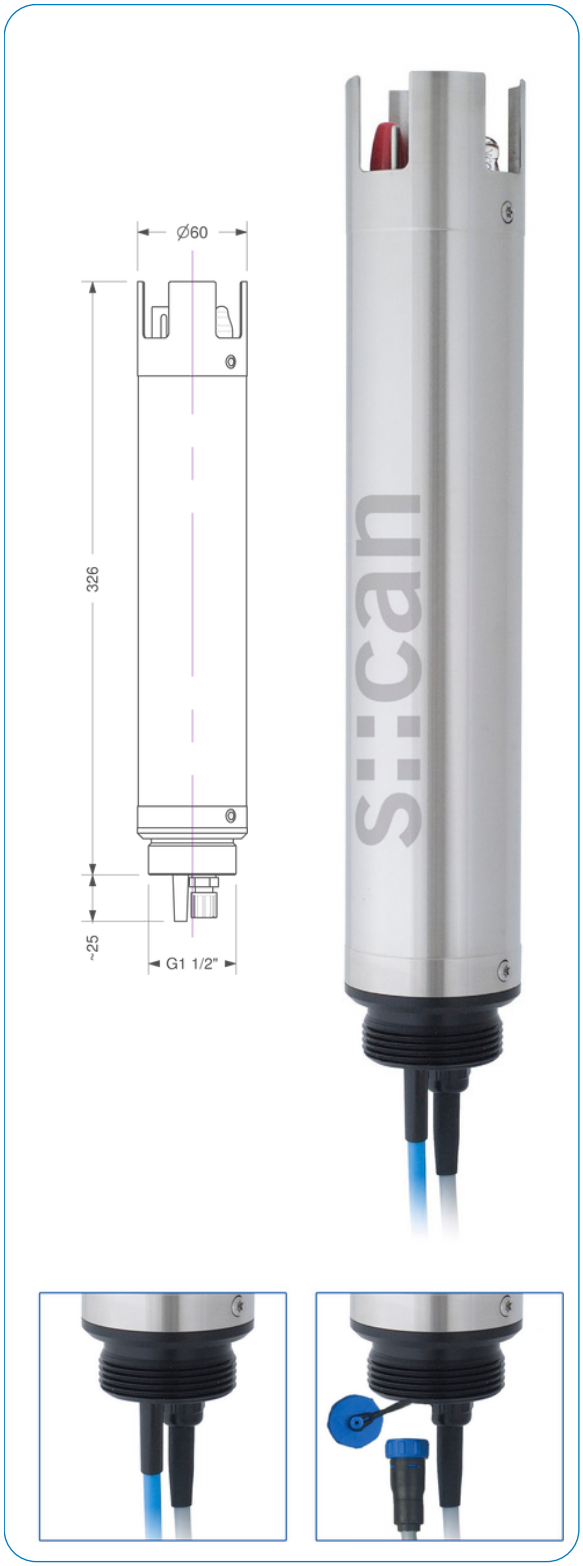
- ammo::lyser II eco: monitors NH_4-N and temperature
- ammo::lyser III eco+pH additionally monitors pH
- ammo::lyser III eco+NO_3-N additionally monitors NO_3-N
- ammo::lyser III eco+Cl- additionally monitors chloride
- ammo::lyser IV eco+pH+NO_3-N additionally monitors pH and NO_3-N
- ammo::lyser VI eco+pH+Cl- additionally monitors pH and chloride

FEATURES

- s::can plug and measure
- Measuring principle: ISE (ion-selective electrodes) without potassium compensation
- Multiparameter probe
- Long-term stable, factory precalibrated
- Minimal maintenance, automatic cleaning with compressed air
- Unique, non-porous / non-leaking reference electrode for technically unrivalled and consistent performance
- ISE refurbishment - the easy way to minimize maintenance
- Easy and quick mounting and measurement directly in the media (InSitu) or in a flow cell (monitoring station)
- Automatic temperature compensation and pH compensation possible
- Ideal for surface water, ground water, drinking water and wastewater
- Lifetime of ISE: typically 6 months (for applications <1mg/l NH_4-N), resp. 1 to 2 years (for applications >1mg/l NH_4-N)
- Plug connection or fixed cable

RECOMMENDED ACCESSORIES

Part Number B-	Article Name
44 B -44-2	Cleaning valve
C-210-sensor	10 m connection cable for s::can physical and ISE probes
F-11- oxi-ammo	Carrier oxi::lyser / soli::lyser / s::can ISE probes
	ammo::lyser flow-cell (by-pass setup), PVC
F-48-ammo	con::cube V3
D -330-xxx	con::lyte
D -320-xxx	



Badger Meter

SCA-DS-04950-EN-02 (May 2026)

Product Data Sheet

TECHNICAL SPECIFICATIONS

Measuring Principle	ISE
Measuring Principle Detail	NH4-N: ionophore membrane pH: non-porous reference electrode NO3-N: ionophore membrane Cl-: ionophore membrane
Resolution	NH4-N, K, NO3-N, Cl, F: 0.01 at 0.02–19.99 mg/l 0.1 at 20.0–99.9 mg/l 1 at 100–1000 mg/l T: 0.1 °C
Accuracy (Standard Solution)	NH4-N: ± 3% or ± 0.5mg/l* (*whichever is greater)
Automatic Compensation Cross Sensitivities	E-532-eco-xxx: temp E-532-eco-pH-xxx: temp, pH E-532-eco-NO_3-N-xxx: temp E-532-eco-NO_3-N-pH-xxx: temp, pH E-532-eco-CL-xxx: temp E-532-eco-CL-pH-xxx: temp, pH
Precalibrated Ex-works	All parameters
Response Time (T90)	0–60 sec.
Integration Via	con::lyte con::nect
Power Supply	10–30V DC
Power Consumption (Typical)	0.72 W
Interface to s::can Terminals	Sys plug (IP67), RS485
Cable Length	7.5 m fixed cable (-075) or plug connection (-000)
Cable Type	PU jacket
Housing Material	Stainless steel 1.4571, POM-C

Weight (min.)	2.7 kg
Dimensions (Ø × l)	60 × 326 mm
Operating Temperature	0 to 60 °C
Operating Pressure	0–1 bar
Installation / Mounting	Submersed or in a flow cell
Process Connection	Bayonet
Flow Velocity	0.01 m/s (min.), 3 m/s (max.)
Automatic Cleaning	Media: compressed air Permissible pressure: 2–4 bar
Storage Temperature (Elec trode)	2 to 40 °C 2 to 40 °C
Storage Temperature (Sensor)	EN 50081-1, EN 50082-1, EN 60555-2, EN 60555-3
Conformity - EMC	EN 61010-1
Conformity - Safety	IP67 IP68
Protection Class (-000)	
Protection Class (-075)	

MEASURING RANGE

		Parameter				
		NH_4-N [mg/l]	**NO_3-N [mg/l]**	**pH [pH]**	**Temperature [°C]**	**Part Number**
ammo::lyser II eco (NH_4-N, temp)	**min.**	0.1	–	–	0	E-532-ECO-000 / -075
	max.	1000	–	–	60	
ammo::lyser III eco+Cl- (NH_4-N, temp, Cl-)	**min.**	0.1	0.3	–	0	E-532-ECO-NO3-N-000 / -075
	max.	1000	1000	–	60	
ammo::lyser III eco+NO_3-N (NH_4-N, temp, NO_3-N)	**min.**	0.1	–	2	0	E-532-ECO-PH-000 / -075
	max.	1000	–	12	60	
ammo::lyser III eco+pH (NH_4-N, temp, pH)	**min.**	0.1	0.3	2	0	E-532-ECO-NO3-N-pH-000 / -075
	max.	1000	1000	12	60	

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