

DESCRIPTION

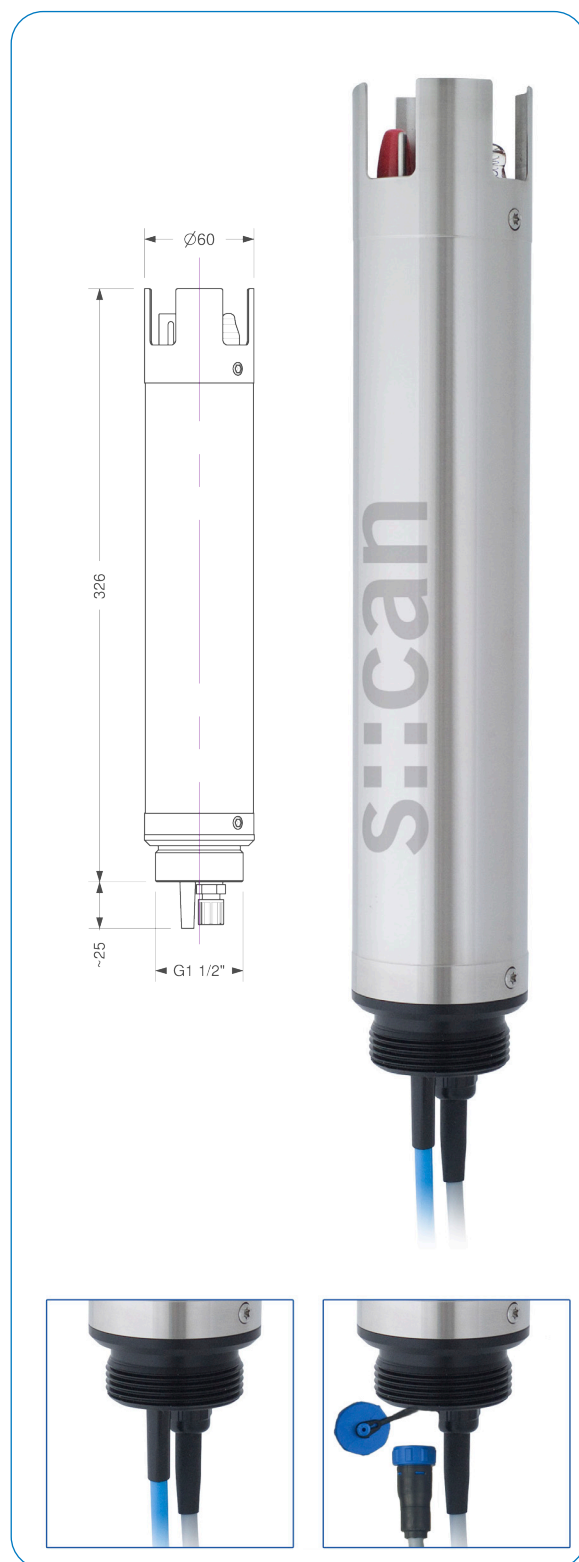
- ammo::lyser III pro monitors $\text{NH}_4\text{-N}$ and temperature
- ammo::lyser IV pro+pH monitors $\text{NH}_4\text{-N}$, temperature and pH
- ammo::lyser IV pro+ $\text{NO}_3\text{-N}$ monitors $\text{NH}_4\text{-N}$, temperature and $\text{NO}_3\text{-N}$

FEATURES

- s::can plug & measure
- Measuring principle: ISE (ion-selective electrodes) - with potassium compensation
- Multiparameter probe
- Long-term stable, factory precalibrated
- Automatic cleaning with compressed air
- Easy & quick mounting and measurement directly in the media (InSitu) or in a flow cell (monitoring station)
- ISE refurbishment - the easy way to minimize maintenance
- Unique, non-porous / non-leaking reference electrode for technically unrivalled and consistent performance
- Operation via s::can terminals & s::can software
- Automatic temperature and potassium compensation, pH compensation possible
- Ideal for surface water, ground water, drinking water and wastewater
- Minimal maintenance
- Lifetime of ISE: typically 6 month (for applications $< 1\text{ mg/l NH}_4\text{-N}$), resp. 1 to 2 years (for applications $> 1\text{ mg/l NH}_4\text{-N}$)
- Plug connection or fixed cable
- Automatic compensation against cross-sensitivities (potassium & pH, optional)

RECOMMENDED ACCESSORIES

Part Number	Article Name
B-44	Cleaning valve
B-44-2	
C-1-010-sensor	1 m connection cable for s::can physical and ISE probes
F-11-oxi-ammo	Carrier oxi::lyser / soli::lyser / s::can ISE probes
F-45-ammo	Flow cell for ammo::lyser
D-330-xxx	con::cube V3
D-320-xxx	con::lyte



TECHNICAL SPECIFICATIONS

Measuring Principle	ISE	Weight (Min.)	2.7 kg
Measuring Principle Detail	NH4-N: ionophore membrane K: ionophore membrane pH: non-porous reference electrode NO3-N: ionophore membrane	Dimensions (Ø × l)	60 × 326 mm
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	Operating Temperature	0 to 60 °C
Accuracy (Standard Solution)	NH4-N: +/-3% or +/-0.1mg/l* (*whichever is greater)	Operating Pressure	0–1 bar
Automatic Compensation Cross Sensitivities	E-532-pro-xxx: temp, K E-532-pro-pH-xxx: temp, pH, K E-532-pro-NO3-N-xxx: temp, K	Installation / Mounting	Submersed or in a flow cell
Precalibrated Ex-Works	All parameters	Process Connection	Bayonet
Response Time (T90)	0–120 sec.	Flow Velocity	0.01 m/s (min.) 3 m/s (max.)
Integration Via	con::nect con::lyte	Automatic Cleaning	Media: compressed air Permissible pressure: 2–4 bar
Power Supply	10–30V DC	Storage Temperature (Electrode)	2 to 40 °C
Power Consumption (Typical)	0.72 W	Storage Temperature (Sensor)	2 to 40 °C
Interface to s::can Terminals	Sys plug (IP67), RS485	Conformity - EMC	EN 50081-1 EN 50082-1 EN 60555-2 EN 60555-3
Cable Length	7.5 m fixed cable (-075) or plug connection (-000)	Conformity - Safety	EN 61010-1
Cable Type	PU jacket	Protection Class (-000)	IP67
Housing Material	Stainless steel 1.4571, POM-C	Protection Class (-075)	IP68

MEASURING RANGE

		Parameter					Part Number
		NH4-N [mg/l]	NO3-N [mg/l]	pH [pH]	Cl- [mg/l]	Temperature [°C]	
ammo::lyser III pro (NH4-N, K, temp)	min.	0.1	—	1	—	0	E-532-pro-000 / -075
	max.	1000	—	1000	—	60	
ammo::lyser IV pro+NO3-N (NH4-N, NO3-N, K, temp)	min.	0.1	0.3	1	—	0	E-532-pro+NO3-N-000 / -075
	max.	1000	1000	1000	—	60	
ammo::lyser IV pro+pH (NH4-N, pH, K, temp)	min.	0.1	—	1	2	0	E-532-pro+pH-000 / -075
	max.	1000	—	1000	12	60	