

DESCRIPTION

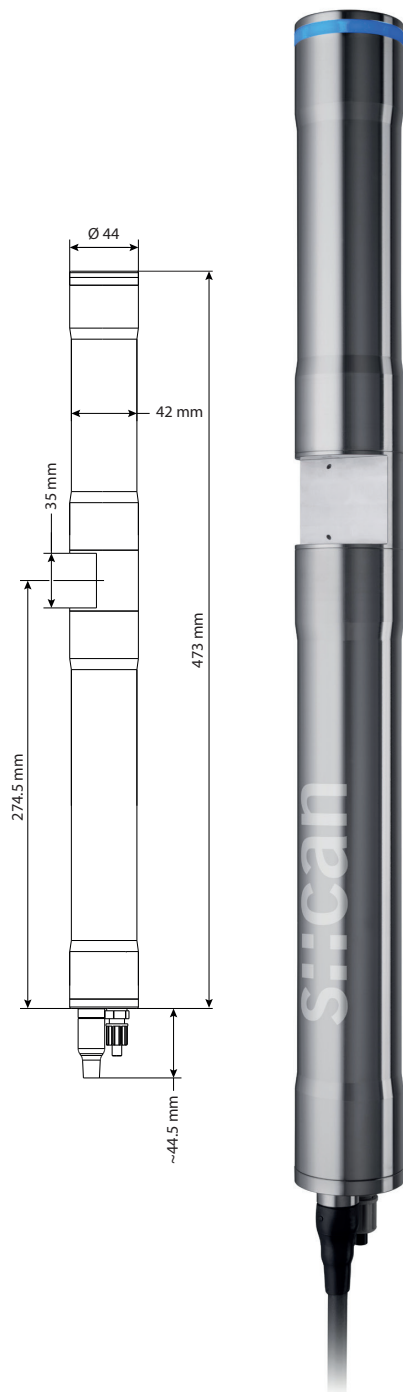
- ozo::lyser II monitors turbidity and ozone

FEATURES

- Measuring principle: UV-Vis spectrometry over the total range (190–750 nm)
- Web server on board - IoT enabled, no user software is needed to configure the probe
- Communicates directly with your mobile device via WLAN
- 8 GB onboard memory - capacity for logging data for many years
- Improved optical performance - revolutionary precision
- Fast measurement interval - every 30 seconds possible
- Extremely power efficient - sleep mode for low energy consumption
- Multiparameter probe with 1 mm, 5 mm or 35 mm optical path length, ideal for wastewater, surface water and drinking water
- Long-term, stable and maintenance-free in operation
- Factory precalibrated, local multipoint calibration possible
- Automatic cleaning with compressed air or brush

RECOMMENDED ACCESSORIES

Part Number	Article Name
D-330-xxx	con::cube V3
D-320-pro2-230	con::lyte pro
B-33-012	con::nect V3
B-32-xxx	s::can compressor
B-44 B-44-2	Cleaning valve
C-32-V3	Adapter cable to connect a V3 spectrometer (M12) to V2 terminal (MIL plug)
F-110-V3	Carrier s::can spectrometer V3 & V2 probe, 45°
F-120-V3	Carrier s::can spectrometer V3 & V2 probe, vertical attachment
F-446-V3	Flow cell autobrush, POM-C (for spectrometer V3 & V2 path length 35 mm)
S-11-xx-moni	moni::tool software
F-146-rs-x	ruck::sack (submersible autobrush)



TECHNICAL SPECIFICATIONS

Measuring Principle	UV-Vis spectrometry 190–750 nm
Measurement Interval	30 sec (configurable, depending on application)
Automatic Compensation Cross Sensitivities	Turbidity, solids, organic substances
Precalibrated Ex-works	All parameters
Accuracy Standard Solution (>1 mg/l)	NO ₃ -N: ±3% +1/OPL (mg/l)* COD-KHP: ±3% +10/OPL (mg/l)* (* OPL...optical path length in mm)
Access to Raw Signals	No
Reference Standard	Distilled water
Onboard Memory	8 GB
Integrated Temperature Sensor	0 to 45 °C
Resolution Temperature Sensor	0.1 °C
Integration Via	con::cube V3 con::nect V3 con::lyte V5 (D-320-pro2) Adapter cable (C-32-V3)
Power Supply	10–18V DC
Power Consumption (Typical)	3 W
Power Consumption (Sleep Model)	60 mW
Power Consumption (Max.)	20 W
Interface to s::can Terminals	M12 RSTS 8Y (IP67) RS485 Ethernet
Interface to Third Party Terminals	con::nect V3 incl. Modbus RTU, REST API, Modbus TCP/IP
Digital Interface (for cleaning devices)	1 digital in/out 1 digital out
Internal Sensors	Supply voltage sensor, tilt sensor, rotation sensor
Network Connections	100Base-T Ethernet, WLAN
Status Information	RGB LED ring

Cable Length	1 m fixed cable (–010) or 7.5 m fixed cable (–075) or 15 m fixed cable (–150)
Cable Type	PU jacket
Housing Material	Stainless steel 1.4404 (optional titanium)
Window Material	Optical path length 5 and 1 mm: sapphire Optical path length 35 mm: fused silica (UV-grade)
Weight (Min.)	3.4 kg (includes cable)
Dimensions (Ø × L)	Optical path length 35 mm: 44 × 473 mm / 517.5 mm Optical path length 5 mm: 44 × 457 mm / 501.5 mm Optical path length 1 mm: 44 × 453 mm / 497.5 mm
Operating Temperature	0 to 50 °C
Operating Pressure	0–5 bar
High Pressure Specification (optional)	10 bar
Installation/Mounting	Submersed or in a flow cell
Flow Velocity	3 m/s (max.)
Mechanical Stability	30 Nm
Ingress Protection Class	IP68
Automatic Cleaning	Media: compressed air or autobrush Permissible pressure: 3–6 bar
Storage Temperature	–10 to 65 °C
Conformity - Environmental Testing	EN 60721-3
Conformity - EMC	EN 61326-1
Conformity - RoHS 2	EN 50581
Standard Guarantee	1 year
Extended Guarantee (optional)	3 years

MUNICIPAL WWTP EFFLUENT

		Parameter		
		TSS [mg/l]	O ₃ [mg/l]	Part Number
ozo::lyser II (2 parameters, 35 mm OPL)	min.	0	0	G3-O2-D-35-NO-xxx
	max.	170	25	

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