

## DESCRIPTION

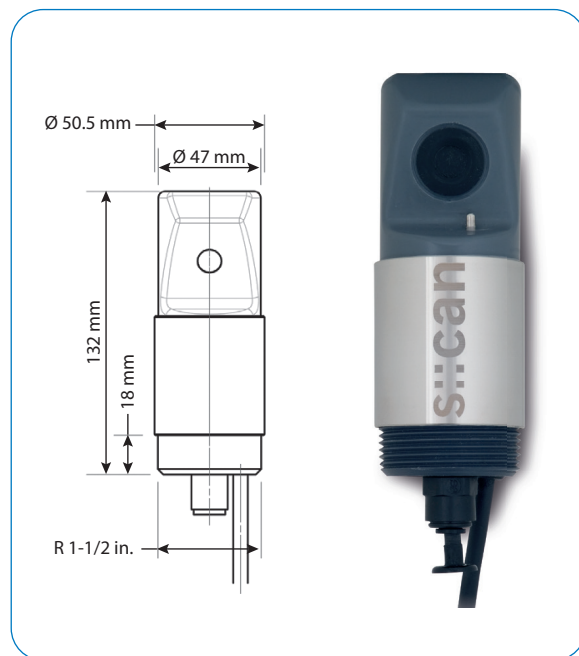
- oxi::lyser monitors dissolved oxygen and temperature

## FEATURES

- s::can plug & measure
- Measuring principle: optical / fluorescence
- Multiparameter sensor
- Ideal for surface water, ground water, drinking water and wastewater
- Long term stable and maintenance free in operation
- Factory precalibrated
- Automatic cleaning with compressed air
- Mounting and measurement directly in the media (in situ) or in a flow cell
- No flow necessary
- Operation via s::can terminals and s::can software
- Minimal maintenance (no consumables)

## RECOMMENDED ACCESSORIES

| Part Number                  | Article Name                                                          |
|------------------------------|-----------------------------------------------------------------------|
| <b>D-330-xxx</b>             | con::cube V3                                                          |
| <b>D-320-xxx</b>             | con::lyte                                                             |
| <b>B-44</b><br><b>B-44-2</b> | Cleaning valve                                                        |
| <b>C-210-sensor</b>          | 10 m extension cable for s::can physical probes and s::can ISE probes |
| <b>F-11-oxi-ammo</b>         | Carrier oxi::lyser / soli::lyser / s::can ISE probes                  |
| <b>F-48-oxi</b>              | Flow cell (bypass setup) for oxi::lyser and soli::lyser, PVC          |



TECHNICAL SPECIFICATIONS

|                               |                                                           |                               |                                                          |
|-------------------------------|-----------------------------------------------------------|-------------------------------|----------------------------------------------------------|
| Measuring Principle           | Fluorescence                                              | Dimensions (Ø × l)            | 50.5 × 132 mm                                            |
| Resolution                    | 0.01 mg/l O <sub>2</sub>                                  | Operating Temperature         | 0 to 60 °C                                               |
| Accuracy (Standard Solution)  | O <sub>2</sub> : ±0.02 mg/l or ±1% (whichever is greater) | Operating Pressure            | 0–7 bar                                                  |
| Response Time (T90)           | 0–60 s                                                    | Installation / Mounting       | Submersed or in a flow cell                              |
| Reference Standard            | Saturated sodium sulfite solution                         | Process Connection            | R 1-1/2 inches                                           |
| Integrated Temperature Sensor | 0 to 50 °C                                                | pH Range                      | 2–10                                                     |
| Resolution Temperature Sensor | 0.2 °C                                                    | Ingress Protection Class      | IP68                                                     |
| Integration Via               | con::lyte<br>con::nect                                    | Automatic Cleaning            | Media: compressed air<br>Permissible pressure: 2–4.5 bar |
| Power Supply                  | 6–16V DC                                                  | Storage Temperature           | 0 to 60 °C                                               |
| Power Consumption (max.)      | 0.32 W                                                    | Conformity - EMC              | EN 50081-2, EN55011                                      |
| Interface to s::can Terminals | Sys plug (IP67), RS485                                    | Conformity - Safety           | EN 61000-4, EN61010-1                                    |
| Cable Length                  | 10 m                                                      | Standard Guarantee            | 1 year                                                   |
| Housing Material              | CPVC, stainless steel, epoxy                              | Extended Guarantee (Optional) | 3 years                                                  |
| Weight (min.)                 | 540 g                                                     |                               |                                                          |

MEASURING RANGE

|                                     |      | Parameter                |                     |             |
|-------------------------------------|------|--------------------------|---------------------|-------------|
|                                     |      | O <sub>2</sub><br>[mg/l] | Temperature<br>[°C] | Part Number |
| oxi::lyser<br>(O <sub>2</sub> temp) | min. | 0                        | 0                   | E-501-075   |
|                                     | max. | 25                       | 50                  |             |