

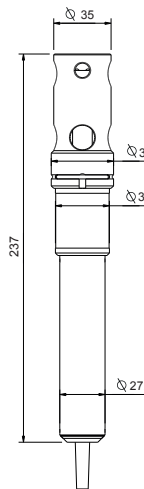
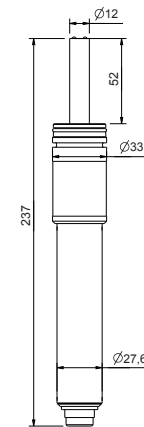
condu::lyser

condu::lyser monitors conductivity, temperature & salinity

- s::can plug & measure
- measuring principle condu::lyser: 4-electrode, direct-contact measurement
- multiparameter sensor
- ideal for surface water, ground water and drinking water, also waste water
- long term stable and maintenance free in operation
- factory precalibrated
- mounting and measurement directly in the media (InSitu) or in a flow cell
- operation via s::can terminals & s::can software
- plug connection or fixed cable

recommended accessories

| part number | article name |
|--------------|--|
| D-315-xxx | con::cube |
| D-319-xxx | con::lyte |
| F-12-sensor | carrier s::can physical probes |
| F-48-sensor | s::can Sensor flow-cell (by-pass setup), PVC |
| S-11-xx-moni | moni::tool Software |



technical specification

| | | | |
|-----------------------------------|--|---|---|
| measuring principle | 4-electrode, direct-contact | weight (min.) | 240 g |
| measuring range application | 0 ... 500,000 µS/cm 2 ... 42 PSU | dimensions (Ø x l) | 33 x 237 mm |
| resolution | 1 µS/cm | operating temperature | 0 ... 70 °C |
| accuracy (standard solution) | 1% of reading | temperature for autoclaving and steam sterilization | max. 130 °C for 30 min. |
| automatic compensation instrument | temperature | storage temperature | 0 ... 60 °C |
| integrated temperature sensor | -20 ... 130 °C | operating pressure | 0 ... 20 bar |
| integration via | con::cube con::lyte con::nect | installation / mounting | submersed or in a flow cell |
| power supply | 7 ... 30 VDC | process connection | quick connect |
| power consumption (typical) | 0.06 W | flow velocity | 0.01 m/s (min.) 3 m/s (max.) |
| power consumption (max.) | 0.15 W | automatic cleaning | media: compressed air permissible pressure: 2 ... 6 bar cleaning interval: depending on application |
| interface to s::can terminals | sys plug (IP67), RS485 | conformity - EMC | EN 61326-1 |
| cable length | 7.5 m fixed cable (-075) or plug connection (-000) | protection class (-000) | IP67 |
| housing material | Stainless steel 1.4435, FDA-approved PEEK, POM-C | protection class (-075) | IP68 |

municipal WWTP influent

| | | concentration ranges and sensor/probe type for this application | | | part number |
|--------------|------|---|------------------|----------------|--------------------|
| | | conductivity [µS/cm] | temperature [°C] | salinity [PSU] | |
| condu::lyser | min. | 0 | 0 | 2 | E-511-2-000 / -075 |
| | max. | 500000 | 70 | 42 | |

municipal WWTP aeration

| | | concentration ranges and sensor/probe type for this application | | | part number |
|--------------|------|---|------------------|----------------|--------------------|
| | | conductivity [µS/cm] | temperature [°C] | salinity [PSU] | |
| condu::lyser | min. | 0 | 0 | 2 | E-511-2-000 / -075 |
| | max. | 500000 | 70 | 42 | |

municipal WWTP effluent

| | | concentration ranges and sensor/probe type for this application | | | part number |
|--------------|------|---|------------------|----------------|--------------------|
| | | conductivity [µS/cm] | temperature [°C] | salinity [PSU] | |
| condu::lyser | min. | 0 | 0 | 2 | E-511-2-000 / -075 |
| | max. | 500000 | 70 | 42 | |