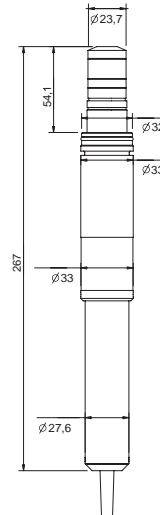


chlori::lyser

chlori::lyser™ monitors free chlorine (Cl₂ + HOCl + OCl⁻)
or total chlorine (free chlorine + combined chlorine)

- s::can plug & measure
- measuring principle: amperometric (membrane covered)
- ideal for drinking water
- long term stable and lowest maintenance in operation
- replacement of membrane only once a year
- readings stable even at high fluctuations of pH, temperature and flow
- compensates fluctuations of pH in an unmatched way
pH range from 4 to 10 FCl; pH range from 4 to 12 TCl
(<5% per pH between 6 and 10/12 pH, <1% at <6 pH)
- low cross sensitivity to many surfactants
- cross sensitivities to chlorine dioxide, ozone can be compensated by using readings from spectro::lyser™
- factory precalibrated
- mounting and measurement in a flow cell
- operation via s::can terminals & s::can software
- plug connection or fixed cable



recommended accessories

| part number | article name |
|-------------|--|
| F-45-four | flow cell for four s::can physical probes |
| F-46-four | flow cell for i::scan and three s::can physical probes |



technical specification

| | | | |
|--|--|--|--|
| measuring principle | amperometric | interface connection to s::can terminals | sys plug, IP68, RS485, 12 VDC |
| measuring principle detail | potentiostatic 3-electrode system | cable length | 7.5 m fixed cable (-075) or plug connection (-000) |
| measuring range application | E-507-1: 0 ... 2 mg/L FCI E-507-2: 0 ... 10 mg/L FCI E-507-3: 0 ... 2 mg/L TCI E-507-4: 0 ... 10 mg/L TCI | housing material | PVC, stainless steel |
| resolution | 0.001 mg/l (for 10mg/l ... 0.01 mg/l) | weight (min.) | 300 g |
| automatic compensation instrument | temperature | dimensions (diameter x length) | 30 x 267 mm |
| automatic compensation cross sensitivities | pH, flow | operating temperature | 0 ... 45 °C |
| response time | 2 min. | storage temperature | 0 ... 45 °C |
| integration via | con::cube con::lyte 1 con::lyte 2 con::lyte 4 con::nect | operating pressure | 0 ... 1 bar |
| power supply | 9 ... 18 VDC | installation / mounting | flow cell |
| | | process connection | quick connect |
| | | flowrate | 0.015 m/s (min.) 0.06 m/s (max.) |
| | | pH range | 4 ... 10 |
| | | protection class | IP68 |
| | | protection class (-000) | IP67 |
| | | protection class (-075) | IP68 |

drinking water

| | | typical concentration ranges for this application | | |
|---------------------|------|---|-----------------------|-----------------------------------|
| | | free chlorine [mg/l] | total chlorine [mg/l] | part number |
| chlori::lyser (FCI) | min. | 0 | | E-507-1-000 or E-507-1-000 / -075 |
| | max. | 2 | | |
| chlori::lyser (FCI) | min. | 0 | | E-507-2-000 / -075 |
| | max. | 10 | | |
| chlori::lyser (TCI) | min. | | 0 | E-507-3-000 / -075 |
| | max. | | 2 | |
| chlori::lyser (TCI) | min. | | 0 | E-507-4-000 / -075 |
| | max. | | 10 | |