

NEW

- » peroxy::lyser monitors peracetic acid
- » hyper::lyser monitors hydrogen peroxide

- » chlodi::lyser monitors chlorine dioxide
- » chlori::lyser monitors free or total chlorine

Full Range of Online Disinfection Sensors

accurate amperometric measuring technology



disinfection sensors

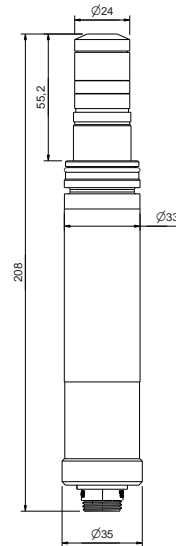
peroxy::lyser monitors peracetic acid (PAA)

hyper::lyser monitors hydrogen peroxide (H2O2)

chlodi::lyser monitors chlorine dioxide (ClO2)

chlori::lyser monitors free chlorine (FCI)
or total chlorine (TCI)

- 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
- factory precalibrated
- mounting and measurement in a flow cell
- operation via s::can terminals & s::can software
- additionally also measures temperature
- peroxy::lyser: not cross sensitive to high concentrations of hydrogen peroxide
- chlodi::lyser: not cross sensitive to chlorine
- chlori::lyser:
 - compensates fluctuations of pH in an unmatched way
 - pH range from 4 to 10 FCI, pH range from 4 to 12 TCI
 - cross sensitivities to chlorine dioxide, ozone can be compensated by using readings from spectro::lyser™



Concentration ranges and sensor/probe type for drinking water (in mg/l)

	peroxy::lyser	hyper::lyser	chlodi::lyser	chlori::lyser	chlori::lyser	chlori::lyser	chlori::lyser
	PAA	H2O2	ClO2	FCI	FCI	TCI	TCI
min	0.1	0	0.005	0	0	0	0
max	200	200	2	2	20	2	20
part no	E-515-1-000	E-509-1-000	E-508-1-000	E-507-1-000	E-507-2-000	E-507-3-000	E-507-4-000

Technical specification

sensor	peroxy::lyser	hyper::lyser	chlodi::lyser	chlori::lyser (FCI + TCI)			
measuring principle	amperometric						
details	potentiostatic 2-electrode system			potentiostatic 3-electrode system			
resolution	0.1 mg/l	0.1 mg/l	0.001 mg/l	0.001 mg/l	0.01 mg/l	0.001 mg/l	0.01 mg/l
response time	1.5 ... 5 min	5 ... 10 min	1 min	2 min			
pH range	1 ... 6	2 ... 11	2 ... 11	4 ... 10			
operating temperature	0 ... 45°C	5 ... 45°C	5 ... 50°C	5 ... 45°C			
storage temperature	5 ... 40°C	5 ... 40°C	5 ... 40°C	5 ... 45°C			
automatic compensation instrument	temperature						
power supply	9 ... 18 VDC						
power consumption (typical)	0.43 W						
power consumption (max.)	0.5 W						
interface to s::can terminals	sys plug (IP67), RS485						
housing material	PVC						
operating pressure	0 ... 1 bar						
installation / mounting	flow cell						
process connection	quick connect						
flow velocity	0.015 m/s (min) 0.06 m/s (max)						