SENSORS & CONTROLLERS

ANALYZERS & SAMPLERS

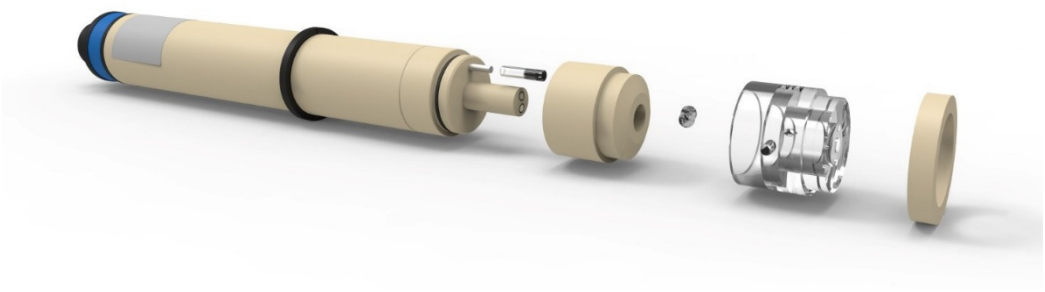
LEVEL, FLOW & PRESSURE

WEB APP & DATALOGGING

ACCESSORIES

S494N/CL/HPT DATASHEET

OPEN CELL SENSOR FOR FREE CHLORINE



MAIN FEATURES

- Open cell sensor for the measurement of free chlorine.
- Integrated temperature sensor for signal compensation

APPLICATIONS

- Drinkable waters
- Domestic hot water
- Swimming pools

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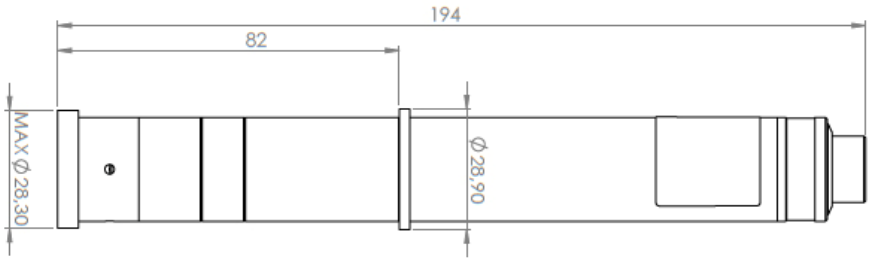
TECHNICAL DATA

Indicator	Inorganic free chlorine
Chlorinating agents	Sodium hypochlorite, calcium hypochlorite, gaseous chlorine, electrolytically generated chlorine
Measuring range	0 – 5ppm
Application field	Drinking water, domestic hot water, swimming pools
Interferents	Ozone, chlorine dioxide, chlorite
pH range	5 …. 9 (pH-dependent measurement)
Conductivity range	10-6000 µS/cm (measurement dependent on conductivity and water quality)
Flow rate	with cleaning balls 45 …. 90 l/h (stable flow)
Pressure	0 …. 8 bar without pulses and fluctuations
Temperature range	0 …. 70°C (without ice crystals in the water)
Temperature compensation	Automatic
Conditioning time	For the first activation from 1h to 2 days depending on the water quality
Calibration	Photometric reference method DPD1.
Measurement information	The signal slope can vary from +50% to -50% compared to the nominal slope
Materials	PVC, PEEK, Au, Ag, NBR
Protection degree	IP67
Absence of Chlorine	Maximum 24h
Calibration	Recommended once a week and whenever the working conditions are changed (pH, concentration, conductivity, temperature, flow rate, etc.). The use of CB (cleaning balls) can significantly increase the time between maintenance/calibration.
Electrolyte solution	Replace every 3-6 months depending on the quality of the water sample analyzed.

DIMENSIONS



ORDER CODES

9791121ATE	S494N/CL/HPT Open Cell Free Chlorine Sensor
94011288TE	Gel Solution for S494N/CL/HPT Open Cell Free Chlorine Sensor