

ISE: Chloride

A Chloride Ion Selective Electrode sensor specifically designed to measure 1.8 ppm to 35,500 ppm (5×10^{-5} M to 1M) concentrations of Cl^- .

Applications include, but not limited to: River and Tap Water, Plant Tissue, Soils, Boiler Feed Water, Blood Electrolytes/Clinical Analysis, Sweat, Urine, Cement, Plating Baths, Food Samples.



Model #	CLO1502
Slope	56 +/- 3 mV / decade
Reproducibility	+ / - 2%
Interferences	S-2, I-1, CN-1, Br-1
Complexation	Heavy metals
Temperature Range	to 80° C (if calibrated at that temperature)
Pressure Range	0 to 70 psi
Response Time	95% response in 30 seconds
Storage	Long term, store dry Short term, store in dilute chloride standard
Concentration Range	5 x 10 ⁻⁵ M to 1M 1.8 ppm to 35,500 ppm
pH Range	2 to 12 pH
Resistance	< 1 megaohm
Care, Maintenance & Cleaning	Polish with polishing strips Treat with a dilute ISA
Temperature Compensation	Not recommended
Isopotential Point	50,000 ppm Chloride
On-Line Capability	Yes
Applications	River and Tap Water, Plant Tissue, Soils, Boiler Feed Water, Blood Electrolytes/Clinical Analysis, Sweat, Urine, Blood, Cement, Plating Baths, Food Samples