

ISE: Cadmium

A Cadmium Ion Selective Electrode sensor specifically designed to measure 0.01 ppm to 11,200 ppm (10^{-7} M to 10^{-1} M) concentrations of Cd^{+2} .

Applications include, but not limited to: Plating Baths.



Model #	CD21501
Slope	27 + / - 3 mV / decade
Reproducibility	+ / - 2%
Interferences	Ag+, Hg+2, Cu+2, Pb+2, Fe+2
Complexation	Heavy metals
Temperature Range	0 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 cadmium standard
Concentration Range	10^{-7} to 10^{-1} M 0.01 ppm to 11,200 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 Cadmium
On-Line Capability	Yes
Applications	Plating Baths