

ISE: Copper

A Copper (Cupric) Ion Selective Electrode sensor specifically designed to measure 0.0006 ppm to 6350 ppm (10^{-8} M to 10^{-1} M) concentrations of Cu^{+2} .
Applications include, but not limited to: Plating Baths, Water.



Model #	CUO1502
Slope	27 + / - 2 mV/decade
Reproducibility	+ / - 2%
Interferences	Ag+, Hg+2, Cl-, Br-, Fe+2, Cd+2
Complexation	S-2, PO4-3, OH-1
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 copper standard
Concentration Range	10-8 M to 10-1M 0.0006 ppm to 6350 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 Copper
On-Line Capability	Yes
Applications	Plating Baths, Water