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ISE: Magnesium

Unique to Van London, the Magnesium Ion Selective Electrode sensor is designed to provide greater accuracy in water hardness, drilling muds, mining, drinking water, mineral water, and sea water. The Mg^{+2} ISE can also be accurately applied to monitoring total water hardness titrations.



Model #	MG21502
Slope	25 ± 3 mV between 10-100 ppm at 25°C
Reproducibility	± 2%
Interferences	Cu^{+2} , Ni^{+2} , Zn^{+2} , Fe^{+2}
Temperature Range	0 to 40°C (if calibrated at that temperature)
Pressure Range	0 to 30 psi
Response Time	95% response in 30 seconds
Storage	Long term, store dry Short term, store in dilute Magnesium standard
Concentration Range	0.1 ppm to 30,000 ppm
pH Range	3 to 10 pH
Resistance	100 megaohms
Care, Maintenance & Cleaning	Treat with distilled water followed by Magnesium standard
Isopotential Point	1 ppm
On-Line Capability	Yes
Applications	Water Softening Systems, Drinking and Mineral Waters, Sea Water,