

## ISE: Calcium

A Calcium Ion Selective Electrode sensor specifically designed to measure 0.2 ppm to 40,000 ppm ( $5 \times 10^{-6}$  M to 1M) concentrations of  $\text{Ca}^{+2}$ .

Applications include, but not limited to: Water Softening Systems, Drinking and Mineral Waters, Blood Electrolytes/Clinical Analysis.



<b>Model #</b>	CAL1502
<b>Slope</b>	26 + / - 2 mV/decade
<b>Reproducibility</b>	+ / - 2%
<b>Interferences</b>	Pb+2, Hg+2, Cu+2, Ni+2
<b>Temperature Range</b>	0 to 40° C (if calibrated at that temperature)
<b>Pressure Range</b>	0 to 30 psi
<b>Response Time</b>	95% response in 30 seconds
<b>Storage</b>	Long term, store dry Short term, store in dilute calcium standard
<b>Concentration Range</b>	5 x 10 <sup>-6</sup> M to 1M 0.2 ppm to 40,000 ppm
<b>pH Range</b>	3 to 10 pH
<b>Resistance</b>	100 megaohms
<b>Care, Maintenance &amp; Cleaning</b>	Treat with distilled water followed by calcium standard
<b>Temperature Compensation</b>	Yes
<b>Isopotential Point</b>	1 ppm Calcium
<b>On-Line Capability</b>	Yes
<b>Applications</b>	Water Softening Systems, Drinking and Mineral Waters, Blood Electrolytes/Clinical Analysis