

## ISE: Cyanide

A Cyanide Ion Selective Electrode sensor specifically designed to measure 0.1 ppm to 260 ppm ( $5 \times 10^{-6}$  M to  $10^{-2}$  M) concentrations of  $\text{CN}^-$ .

Applications include, but not limited to: Plating Baths, Waste Water, Plant Tissue.



<b>Model #</b>	CNO1502
<b>Slope</b>	57 + / - 2 mV / decade
<b>Reproducibility</b>	+ / - 2%
<b>Interferences</b>	S <sup>2-</sup> , I <sup>-</sup> , Br <sup>-</sup>
<b>Complexation</b>	Heavy metals
<b>Temperature Range</b>	0 to 80° C (if calibrated at that temperature)
<b>Pressure Range</b>	0 to 70 psi
<b>Response Time</b>	95% response in 30 seconds
<b>Storage</b>	Long term, store dry Short term, store in dilute cyanide standard with ISA added
<b>Concentration Range</b>	$5 \times 10^{-6}$ M to $10^{-2}$ M 0.1 ppm to 260 ppm
<b>pH Range</b>	11 to 13 pH
<b>Resistance</b>	< 1 Megaohm
<b>Care, Maintenance &amp; Cleaning</b>	Polish with polishing strips Treat with a dilute ISA
<b>Temperature Compensation</b>	Not recommended
<b>Isopotential Point</b>	50,000 ppm Cyanide
<b>On-Line Capability</b>	Yes, pH control required
<b>Applications</b>	Plating Baths, Waste Water, Plant Tissue