

## ISE: Ammonium

An Ion Selective Electrode sensor specifically designed to measure 0.1ppm to 18,000 ppm ( $5 \times 10^{-6}M$  to 1M) concentrations of  $NH_4$ .

Applications include, but not limited to: Boiler Feed Water, Natural Waters, Fertilizers.



<b>Model #</b>	NH41502
<b>Slope</b>	55 + / - 3 mV/decade
<b>Reproducibility</b>	+ / - 2%
<b>Interferences</b>	K+1
<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 ammonium standard
<b>Concentration Range</b>	$5 \times 10^{-6} M$ to 1M 0.1 ppm to 18,000 ppm
<b>pH Range</b>	4 to 10 pH
<b>Resistance</b>	100 megaohms
<b>Care, Maintenance &amp; Cleaning</b>	Treat with distilled water followed by ammonium standard
<b>Temperature Compensation</b>	Yes
<b>Isopotential Point</b>	10 ppm Ammonium
<b>On-Line Capability</b>	Yes
<b>Applications</b>	Boiler Feed Water, Natural Waters, Fertilizers