

ISE: Ammonia

An Ion Selective Electrode sensor specifically designed to measure Ammonia from 0.01 ppm to 17,000 ppm NH₃ (5x10⁻⁷ M to 1M) concentrations.

Applications include, but not limited to: High Purity Power Station Water, Fish Tanks, Sea Water, Waste Water, Plating Baths, Biological Samples.



Model #	NH31501C
Slope	56 + / - 3 mV/decade
Reproducibility	+ / - 2%
Interferences	Volatile amines
Temperature Range	0 to 50° C (if calibrated at that temperature)
Pressure Range	0 to 10 psi
Response Time	95% response in 30 seconds
Storage	Long term, store dry Short term, store in ammonia standard with ISA added
Concentration Range	5 x 10 ⁻⁷ M to 1M 0.01 ppm to 17,000 ppm NH ₃
pH Range	Above 11 pH
Resistance	1000 to 1500 megaohms
Care, Maintenance & Cleaning	Treat with a dilute ammonia standard with pH adjusted > pH 11 Replace membrane as needed
Temperature Compensation	No
Isopotential Point	Unknown
On-Line Capability	Yes, pH control required
Applications	High Purity Power Station Waters, Fish Tanks, Sea Waters, Waste Waters, Plating Baths, Biological Samples