

ISE: Fluoride

A Fluoride Ion Selective Electrode sensor specifically designed to measure .02 ppm to saturated (10^{-6} M to saturated) concentrations of F^{-} .

Applications include, but not limited to: Drinking Water, Wastewater and Natural Waters, Air and Stack Gases, Acids, Sea Water, Minerals, Soil, Foods, Biological Fluids, Toothpaste.



Model #	F001502
Slope	57 + / - 2 mV / decade
Reproducibility	+ / - 2%
Interferences	OH-1
Complexation	Al+3, Fe+3, H+1 (FLUORIDE)
Temperature Range	0 to 80° C (if calibrated at that temperature)
Pressure Range	0 to 70 psi
Response Time	95% response in 30 seconds
Storage	Long term, store dry Short term, store in dilute fluoride standard with TISAB added
Concentration Range	1 x 10-6 M to saturated 0.02 ppm to saturated
pH Range	5 to 8 pH
Resistance	100 to 200 kilohms
Care, Maintenance & Cleaning	Polish with polishing strips Treat with a dilute ISA
Temperature Compensation	Yes
Isopotential Point	20 ppm Fluoride
On-Line Capability	Yes, pH control required
Applications	Drinking Water, Wastewater and Natural Waters, Air and Stack Gases, Acids, Sea Water, Minerals, Soils, Foods, Biological Fluids, Toothpaste