

Thermo Scientific Orion Fluoride Ion Selective Electrodes

The standard in fluoride ion analysis – EPA compliant

Approved ASTM method for fluoride in drinking water

Analyze free fluoride ions in aqueous solutions reliably at low limits of detection. Measurements are quick, simple, accurate and economical.

Thermo Scientific Orion fluoride electrodes feature high quality lanthanum fluoride pellet sensors. Choose from combination electrodes or half cell designs. The fluoride half cell electrode requires a separate half cell reference electrode.

Other applications for fluoride electrodes

- **Phosphate:** Gran plot titration can determine phosphate in applications from animal feed to cleaning solutions to food and beverage
- **Ammonium bifluoride:** Multiple known addition (MKA) titration method determines levels without need of removing interfering heavy metal ions
- **Aluminum:** Gran plot titration can determine micro and semi micro levels of aluminum

Accessories and solutions

A full line of supporting accessories is offered to meet your measurement needs. A variety of calibration standards are available. Low level standards have the added convenience of being pre-made with ionic strength adjustor (ISA) and requiring that TISAB ISA be added only to your samples. TISAB II requires a 50:50 dilution with the sample and is available in gallon bottles. TISAB III is a concentrate and requires a 1:10 dilution.

Convenient combination with reference



Combination fluoride ISE with Sure-Flow reference

- Fluoride surface can be easily cleaned using toothpaste and a lint-free wipe
- Built-in Sure-Flow reference provides fast and stable readings

Half cell reference design provides flexibility



Half cells – Fluoride ISE and Sure-Flow™ reference

- Fluoride surface can be easily cleaned using toothpaste and a lint-free wipe
- Use with the 900100 single junction or 900200 double junction reference electrodes



BEST



MERCURY FREE



TRIS COMPATIBLE

Cat. No.	9609BNWP 960900	9409BN 940900 9409SC	900100
Measurement Range	1 x 10 ⁻⁶ M to saturated 0.02 ppm to saturated	1 x 10 ⁻⁶ M to saturated 0.02 ppm to saturated	-
Temp. Range	0 to 80 °C	0 to 80 °C	0 to 100 °C
Connector Type	BNC US Standard	BNC US Standard Screw Cap	Pin Tip

Cat. No.	Recommended Accessories				
940906	0.1 M NaF standard, 475 mL	040907	2 ppm standard as F ⁻ , with TISAB II, 475 mL	940999	TISAB II, 4 x 1 gallon
940907	100 ppm standard as F ⁻ , 475 mL	040908	10 ppm standard as F ⁻ , with TISAB II, 475 mL	940911	TISAB II concentrate, 475 mL
040906	1 ppm standard as F ⁻ , with TISAB II, 475 mL	940909	TISAB II, 1 gallon		