This Fluoride measurement system is designed for measurement of Fluoride in potable water. The heart of the system comprises of a Fluoride sensor, reference electrode and temperature sensor all mounted on flow through assembly.

System Data

Continuous direct measurement of Fluoride.

Measurement of F⁻ ions directly without addition of buffers or reagents (TISAB)

pH Range 5.5 – 8.5

Measurement Range 0.05 – 10 PPM

Calibration With ProMinent DT2 Fluoride Photometer. (SPADNS Method)

Temperature Range, 1°C … 35°C

Recommended Sample Flow 20 … 60 Litres Per Hour.

Fluoride Sensor – Europium doped Lanthanum Fluoride single crystal – solid ion conductor.

Fluoride Measurement Accuracy: Better than 2% under constant conditions.

In order to maintain measurement accuracy, a periodic check of the Fluoride value should be done and calibration of the device performed if necessary.

Sensor Slope: -59.16 mV / concentration decade

Recommended Conductivity: > 100 μS / cm

Temperature Sensor PT 100