



Fluoride Sensor

M a d e i n U K



6802 series



6912 series

Applications



Drinking Water



Municipal Water



Wastewater



Toothpaste Industry

In A Glance...

Leadtec Fluoride Sensor is a potentiometric sensor working with Ion Selective Electrode (ISE) and a reference electrode supplying the millivolts signal (mV).

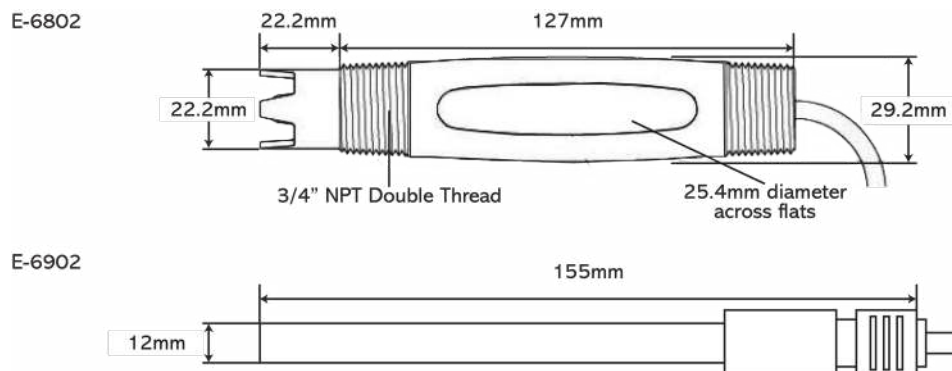
Using single crystal film technology, the electrode potential is measured across a solid and polished crystalline membrane. It is commonly known as "solid-state electrode".

The sensor offers stable, continuous and real-time measurement without the reagents.

Specifications

Measuring Principle	Ion Selective (Potentiometric)
Measuring Range	0.02 – 2000 ppm Other ranges are upon request
Resolution	0.01 ppm
Slope	-54 to -59 mV/decade @ 25°C
Resistance at 25°C	< 2.5 Meg Ohm
Endpoint Time	Typically, 10 to 30 seconds
Interferences	Hydroxide Ions
Temperature Range	5 – 50°C
pH Range	2 – 8 pH
Potential Drift	2 mV per day
Thread	¾" NPT
Body Material	ABS

Dimensions



Design outlook subjected to change without prior notice.

Dimensions of 12mm and 25mm Fluoride sensors.

Order Code

Fluoride Sensor

Part No.	Description
E-6802-EC1-A05FF	Fluoride combination ISE sensor c/w 5m cable length & 3/4" NPT thread connection. <ul style="list-style-type: none"> Measuring range : 0.02 – 2000 ppm Operating temperature : 5 – 50°C Operating pH range : 2 – 8 bar Interference : Hydroxide Ion
E-6902-EE1-A01BC	Fluoride combination 12mm ISE sensor with refillable KCL c/w 1 m cable length with BNC connector. <ul style="list-style-type: none"> Measuring range : 0.02 – 2000 ppm Operating temperature : 5 – 50°C Operating pH range : 2 – 8 bar Interference : Hydroxide Ion
E-6912-EE1-A01BC	Fluoride combination 12mm ISE sensor with non-refillable KCL c/w 1 m cable length with BNC connector. <ul style="list-style-type: none"> Measuring range : 0.02 – 2000 ppm Operating temperature : 5 – 50°C Operating pH range : 2 – 8 bar Interference : Hydroxide Ion

Fluoride Sensor Accessories

Part No.	Description
ECF0.1BT	Fluoride Standard Buffer Solution, 0.1ppm (500mL)
ECF1BT	Fluoride Standard Buffer Solution, 1ppm (500mL)
ECF10BT	Fluoride Standard Buffer Solution, 10ppm (500mL)
ECF100BT	Fluoride Standard Buffer Solution, 100ppm (500mL)
ECF1000BT	Fluoride Standard Buffer Solution, 1000ppm (500mL)
ECFISAB	Fluoride Ionic Strength Buffer (500mL)