

ION SELECTIVE ELECTRODES

Ion selective and gas sensitive electrodes allow quick and easy determination of concentration and activity of a variety of dissolved ions and gases.

By comparison, analysis by conventional wet chemistry methods can be complicated and time consuming.

Ion concentration measurement is vital in a wide range of applications, some common examples are calcium content of milk, chloride in food and fluoride in toothpaste.

To measure ion concentration you require either a portable pH/ion meter, model [MA130](#), or bench meter, model [MA235](#) linked to a reference electrode and appropriate [ISE electrode](#).

Two reference electrodes are available, [InLab[®] 301](#) filled with 3M potassium chloride for routine applications, and [InLab[®] 302](#) with re-fillable bridge for applications where potassium chloride is incompatible with the sample.

If you would like more information on ion selective measurement see our '[Guide to Ion Selective Measurement](#)'.

ISE Electrodes

- [Fluoride F⁻](#)
- [Chloride Cl⁻](#)
- [Bromide Br⁻](#)
- [Nitrate NO₃](#)
- [Ammonium NH₄⁺](#)
- [Potassium K⁺](#)
- [Calcium Ca₂⁺](#)
- [Sodium Na⁺](#)
- [Ammonia NH₃](#)
- [Carbon dioxide CO₂](#)
- [Nitrogene oxides NO_x](#)

Lab Electrodes

Ion Measurement

[Other Products](#)



Fluoride Electrode

Specifications

Shaft material:	Non-breakable POM copolymer
Temperature range °C:	0 ... 80
Measurement range:	$10^0 - 10^{-6}$ mol/l
Optimal pH-range:	5 ... 8
Interference:	Max. concentration: $\text{OH}^- < 0.1\text{F}^-$

Description

An electrode for determining fluoride concentration in samples such drinking water, milk, plants and toothpaste

Features and Benefits

The robust solid state membrane and plastic shaft make the fluoride electrode ideal for both field and laboratory applications.

Solid state membrane Rugged plastic shaft