

COME TO YOUR **SENSORS**

Ensure your measurements are not compromised by your electrode.
Ask for the Ionode IJ44

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Although the measurement of pH and ORP in water would appear to be simple, there are a number of factors to consider when you choose an electrode. The following examples will assist you in choosing the correct electrode.

Low Ionic Strength Solutions/Pure water

These samples have very low conductivity, and require an electrode with an unimpeded exchange of electrolyte. Ionode's IJ Intermediate Junction ensures accurate and reproducible measurements in these samples. Electrodes with sealed gel type references are not suited to this application.

Bore Water

These samples can have high levels of sulphide and high total dissolved solids. Sulphides in particular can drastically shorten the life of conventional electrodes. The IJ series Intermediate Junction range with an easily renewable electrolyte is ideal for this application.

Contaminated samples/waste

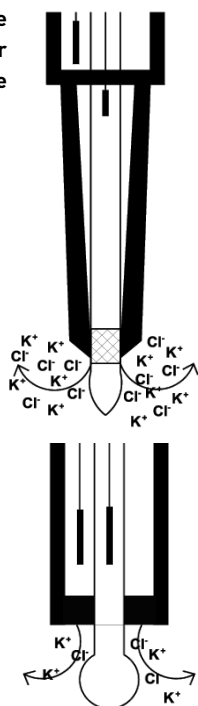
These samples can have high levels of sulphide, and other contaminants such as grease, oils and fats. An electrode with an annular junction to resist clogging as well as replaceable electrolyte to overcome contamination is required. Once again, the IJ Intermediate Junction series is the answer.

As you can see, there is more to pH measurement in water than first meets the eye. For further details on the complete range of IJ Intermediate Junction electrodes visit www.ionode.com.au.

Ionode manufactures a complete range of electrodes for all applications and are happy to advise on your needs.

THE ANATOMY OF THE INTERMEDIATE JUNCTION **IJ44**

A freeflowing renewable Intermediate Junction for better performance & longer life



Clogged conventional reference junction

Polypropylene Construction

Unlike glass bodied electrodes, Ionode's flexible polypropylene body and sleeve reduces the risk of breakage thus reducing your down time and replacement costs

Automated Membrane Manufacture

Automated glass blowing ensures Ionode's consistency of quality, so you get consistent results

Ground Glass Annular Junction

The ground glass circular contact zone with polymer sleeve is unique to Ionode and provides the best interface for difficult samples. Its resistance to clogging by fats, proteins, and solids minimizes your cleaning time

Intermediate Junction

Ionode's secondary junction protects the primary reference from contamination so your electrode lasts longer

Removable Sleeve

Removal of Ionode's unique polymer sleeve allows quick access for cleaning and electrolyte replacement which saves you time

Renewable Electrolyte

Ionode's method of electrolyte replacement primes the junction ensuring it is free of contamination, ensuring longer electrode life



Australian made
high-performance electrodes
at very rewarding prices
and with 3 decades
of trusted reliability



- telephone tech support
from local experts
& fast delivery

ON TAP



Specialist manufacturers
of pH and ORP electrodes since 1972

pH
ORP

ion selective
electrodes

laboratory
industry
field