CONDUCTIVITY ELECTRODE

Your new conductivity electrode is supplied ready to use.
This electrode is fitted with automatic temperature compensation.

Calibration

Accurate results will be best achieved by calibrating the electrode in calibration solution that most closely matches the expected conductivity value of your samples.

The electrode should be immersed in a sample to at least 10mm above the breather holes in the stem.

Please refer to the instrument user manual for more detailed electrode calibration instructions.

Maintenance

After each use, the electrode tip should be rinsed thoroughly in deionised water.

Any build-up of solids inside the measuring area of the cell should be removed very carefully with a water stream or compressed air. Avoid contacting the platinum plates.

Fat and oil contamination can be removed with warm soapy water.

Lime deposits can be removed by immersing the probe in 10% acetic acid solution for 3-5 minutes.

Strong acids, lyes and organic solvents can shorten the electrode's operational life or damage the measuring cell.

The electrode is best stored dry in air.

Replatinisation

Mounted inside the glass tip of the conductivity electrode are two small platinum plates that are coated with platinum.

The coating is fragile and needs to be treated carefully. Regular inspection of the platinum plates for scratches or blemishes is important to avoid inaccurate results. Failing calibration could mean the platinum plates need platinising. You can return your electrode to TPS for replatinisation.

Warranty

Any electrode found to be faulty due to manufacture will be replaced. TPS electrodes have a warranty of twelve months from the date of purchase, however we reserve the right to void the warranty if the electrode has been used in an unsuitable application. This conductivity electrode should last for many years and can be replatinised when necessary to restore the electrodes performance.