Solid State Reference Electrode (NaCl)

User Guide:

The E8198 is a unique solid state Reference electrode which requires no maintenance and no filling solutions.

The probe is compatible with all pH and Ion Selective electrodes and can be used for lab and field applications including constant immersion.

This probe has a polymer outer body and a crystalline tip surface that slowly leaches NaCl to provide a stable reading with the appropriate sensing electrode. The purple colouration is a proton membrane that allows the slow leaching of NaCl into the solution and protects the saturated polymer inside the electrode.

The tip can be rubbed down to expose a new surface when required.

For applications where Sodium Chloride is not suitable there is an alternative. Please see E8197 which is a KCl equivalent product.

The probe can be left dry when not in use and is ideal for use with ISE half cells which are also solid state and can be left dry.

Note: Do not use the E8198 Reference electrode in a sample which is affected by the addition of Sodium Chloride. This reference electrode is also not suitable for use with a half-cell Chloride ISE.

The E8198 Reference electrode is a half cell and as such requires a sensor electrode to complete a circuit and make a measurement.

Storage:

The E8198 Electrode should be rinsed with deionised water after used and stored dry. It can be stored in any orientation.

Prior to use place the electrode in the standard being (pH buffer or ISE standard solution) for 10 minutes for maximum stability and response.

Maintenance:

If the response becomes sluggish or unstable soak the electrode in saturated NaCL (Salt Solution) overnight and rinse with deionised water prior to use.

Specifications

Body Type	Polymer
Cable Length	1M
Cap Diameter	16mm
Diameter	12mm Body - 8mm Tip
Connector	4mm Banana Plug
Commodity Code	90279050
Reference Type	Solid State (NaCl)

Related Products

Glass pH Half Cell Electrode

Fluoride Half Cell ISE

QP459 Portable Ion Meter

www.edt.co.uk/e8198