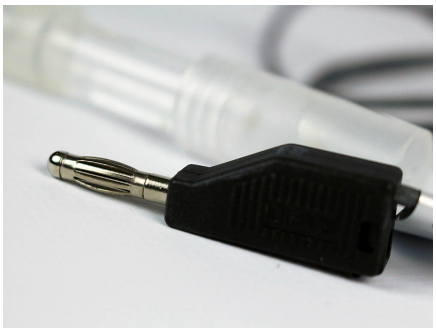
EDT directION
ELECTROCHEMISTRY PRODUCTS

E8094



Double Junction Reference Electrode - E8094

A glass bodied reference electrode half-cell with a 12mm body.

Double Junction reference electrodes have two separate chambers. The outer chamber is filled with an inert filling solution selected by the user. Standard calomel or Ag/AgCl references slowly leak out Potassium Chloride into the samples during measurement. There are many applications where this is unacceptable e.g. Chloride ,Potassium, Nitrate and Silver analysis.

Separate reference electrodes are superior to the reference half cells found in combination electrodes as they have a larger reservoir of filling solution and therefore a faster flow rate of electrolyte through the junction which provides faster response and greater stability. The EDT Double Junction Reference Electrodes have several advantages over combination electrode alternatives. Firstly they provide a longer lifetime as the internal reference solution is never in contact with the sample thereby avoiding contamination. In addition when combination electrodes fail due to the sensor failure the reference is immediately rendered useless.

Using Half cells allows the operator to replace the faulty unit and retain the working unit. Double junction reference electrodes are typically used for ISE analysis where the leached electrolyte must not interfere with the ISE being used. They are also particularly useful for pH analysis of products that must not have KCl or a strong electrolyte contaminating the sample.

SEE PAGE 2 FOR SPECIFICATION TABLE

The inner junction is filled with Ag/AgCl (refillable). The outer can be filled with the electrolyte of your choosing (see filling solutions) to suit the application. This EDT 8091 electrode comes filled with Potasium Nitrate solution as standard and comes with a 4mm connector and is compatible with all types of pH ISE and REDOX half-cells.

SPECIFICATION TABLE

Body Type	Glass body for both inner & outer reference
Cable Length	1000mm
Cap Diameter	16mm
Connector	BNC
Diameter	12mm
Junction Type	Ceramic frit for both junctions
pH Range	0-14
Reference Type	Ag/AgCl

For more information on this product visit www.edt.co.uk/E8094

Related Products

Bromide Half Cell ISE

Ammonium Half Cell ISE

Copper Half Cell ISE

Stay in touch with EDT

Telephone +44 (0)1304 829960
Unit 5 - Waldershare Park, Dover CT15 5DQ
www.edt.co.uk