Flow Plus Reference Electrode

A junction free, chemically resistant Reference Electrode which can be completely disassembled and cleaned or decontaminated.

This electrode is ideal for applications that cause electrode junction blockages, measurements of slurries, pastes or any other viscous material or where contamination of standard reference electrodes is likely. The 5094 Flow Plus Reference Electrode flow rate through the liquid junction can be altered to suit the severity of the application.

The electrode is easily taken apart for maintenance and cleaning and then re-assembled ready for use.

The electrode can be stored dry and does therefore not degrade over time or leach out filling solution. Physical and chemical cleaning is possible without damaging the performance. Electrode performance and stability is often superior to standard reference electrodes as there is no porous junction material. The filling solution flows slowly through a cone shaped liquid junction providing excellent contact with the sample.

Flow Plus reference electrodes can be used with any half cell pH or Ion Selective Electrode. Filing solutions to match each type of application are available. The most common however is Kcl.

The electrode is filled through a side fill hole. Pressing the cap opens the liquid junction and releases a small amount of filling solution. This therefore replenishes the reference junction and removes local contamination. After use the electrode is emptied, rinsed and left dry in it box. The electrode lifetime is significantly extended over other Calomel, Ag/AgCl or double junction electrodes in awkward applications.

Specifications

Body Type	Epoxy Body - Polymer Inner
Cable Length	1M
Cap Diameter	16mm
Diameter	12mm
Connector	4mm Banana Plug
Commodity Code	90279053
Junction Type	Liquid Junction
pH Range	0-14
Reference Type	Solid State Chloride Pellet - Refillable Chamber

Related Products

3 Molar Potassium Chloride Filling Solution

QPBNCREF Half Cell Adapter

QP451 Portable pH Meter

www.edt.co.uk/5094