EDT directION
ELECTROCHEMISTRY PRODUCTS

9999

Cathodic Protection Reference Electrode Ag/AgCl - 9999

The Cathodic Protection Reference Electrode from EDT directION is a Silver /Silver Chloride Reference electrode designed to enable the measurement of the condition of boats and submerged metal structures in both Freshwater and Saltwater applications.

The product is waterproof and submersible.

Common uses include the measurement Boats Hull potential and the effectiveness of Sacrificial Anodes (Magnesium, Zinc and Aluminium) bolted to boat hulls and drive components. Each material has a standard potential and deviations can illustrate the progress of corrosion.

The electrode is connected to the negative terminal of the Boat meter (this is a high impedance mV meter) and the positive terminal is connected to the structure e.g. Boat Hull, Drive or any metal structure in water using the Boat cable with a Crocodile clip . This electrode can also be used as a standard reference electrode for pH analysis. The electrode comes complete with a 5 Metre cable. Millivolt Meter and Cable not supplied.

The Model 9999 can also be used as a standard applications where low maintenance is required. The large electrolyte volume ensures a longer lifetime with greater stability than laboratory electrodes. The rugged housing enables the electrode to be used in a wider variety of environments for pH and REDOX applications.
The EDT Silver/Silver Chloride reference electrode has several advantages over a standard Calomel electrode. Firstly it does not contain Mercury and can therefore be used in a wider variety of applications. Secondly Ag/AgCl references have greater stability at higher temperatures.

The EDT 9999 Silver/Silver Chloride reference electrode comes with a 4mm Banana connector and is compatible with all types of pH electrode. The 9999 Reference Electrode can be used with the 9999/ORP Platinum REDOX electrode to measure the Corrosive properties of water or the presence of harmful corroding elements such as Stray DC ,Acids and other Oxidising agents.

SEE PAGE 2 FOR SPECIFICATION TABLE

Instructions for Use:

Before use remove the black protective cap. This is filled with a solution of Potassium Chloride.

1. Rinse the electrode with water to remove excess crystals. Connect the Banana plug to the negative terminal of the mV Meter.
2. The electrode is now ready for use. Insert into the water at the closest point to the positive terminal contact with the metal structure or boat.
3. On first use the electrode will take a little while to stabilise.
4. After use rinse with water and replace the protective cap with the filling solution.

The filling solution for the cap is KCL (Potassium chloride) Cat No E8064 100ml. The end of the electrode should be kept wet so it can be stored in a Table salt solution **temporarily** if the KCL is lost.

SPECIFICATION TABLE

Body Type	Rugged Polymer
Cable Length	5000mm
Reference Junction	Teflon disc junction. Large contact area.
Connector	4mm Banana Plug
Diameter	25 mm
Length	150mm
Reference Type/Storage	Ag/AgCl. Store Wet in KCL solution Cat no E8064

For more information on this product visit www.edt.co.uk/**9999**

Related Products

Platinum REDOX Sensor

QP451 Portable pH/mV Meter

5m Cable w/ Crocodile Clip

Saturated KCl Filling Solution

Stay in touch with EDT

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