RS Kit
CP Measuring System

pmac

Description

Designed to be deployed by a individual operator, without additonal equipment, the PMAC RS kit allows for the collection of Cathodic Potentails by the Drop or Dip Cell method, from many types of subsea metallic components such as Windfarm monopiles or Jackets, Risers, Harbour walls and Jetties or Oil & Gas Platform legs, from a surface
position.

Consisting of a Silver/Silver Chloride Half-cell electrode housed in a weighted Acetal body on a 100m cable reel and a earth clamp, along with a calibrated multimeter.

The system requires that a connection is made to an above sea level component of the item to be surveyed, and a weighted measuring cell is then manually lowered vertically into the seawater, adjacent to the item to be inspected.

An operator is then able to directly measure and record real time and accurate cathodic potentials at any depth desired, down to a maximum depth of 100m.

Electrode Spcification

Dimensions: Length 250mm, Diameter 35mm
Weight (w/o cable): 475g
99.9% pure Silver compounds

Performance Data:
Accuracy (Vs SCE in 3% NaCl @20°C): -5mV =/-5mV
Temp Coefficient: -0.65V/°C
Temp Range: -5 to 70°C
Theoretical Design Life: 15 years @0.1 μA load

The kit can be supplied with a calibrated multimeter for taking readings as well as a set of SCE reference electrodes for confirming that the measuring electrode is within tolerances before taking readings.

Hire or Purchase

Available for Hire or Purchase (either as complete kit or individual components) The default Hire kit comprises of:

- *Ag/AgCl Electrode with 100m H07RN-F submersible cable supplied on a reel for storage and deployment.*
- *Heavy duty 38mm Jaw Crocodile Clip on a 5m Silicon rubber lead c/w connectors for multimeter.*
- *5m extension silicion rubber lead from Electrode rell to multimeter.*
- *Set of 3x Calomel Electrodes for performing tolerance check on measuring electrode.*
- *UKAS Calibrated Multimeter with basic accuracy of 0.05%*

MANAGEMENT SYSTEM CERTIFICATION
DNV·GL
ISO 9001 = ISO 14001
ISO 45001

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