

# CP PROXIMITY PROBE



## GENERAL DESCRIPTION

The UCP1B proximity probe is a lightweight and versatile instrument specifically designed to carry out underwater cathodic protection potential measurements. The probe has been developed for use with manned or Remotely Operated Vehicles (ROVs) and comes complete with 3 metres of cable. Each probe is supplied with a Certificate of Conformity and Inspection. By placing the UCP1B in close proximity to the surface under test, a voltage reading can be obtained on a suitable high impedance or digital voltmeter. The meter should be connected between the probe and a separate structure negative return. The UCP1B is extensively used in a wide range of applications including production and drilling platforms, ships' hulls, jetties and other marine works. UCP1B product code: H5

### TECHNICAL SPECIFICATION

#### Half Cell

Type: Silver/Silver Chloride screw-in

Accuracy: +/- 5mV when used in sea water

Temperature coeff: 0.2mV per °C

Temperature range: 0 - 30 °C

Working life: 1 to 2 years if looked after

#### Unit

Designed for use with remote voltmeter

Minimum load impedance >10M Ohms

Weight: 0.5Kg

Size: 126mm long x 39mm diameter

Underwater cable: 3m long x 9mm

Depth of operation: 700m+

Packed weight (complete): 0.8Kg

Dimensions (packed): 26cm x 14cm x 30cm

### FEATURES

- Hard wearing DELRIN body
- Half Cell can be replaced
- Lightweight design / Easy to use
- Suitable for fitting to manipulator arm



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