

## UCP1B PROXIMITY PROBE



### DESCRIPTION

The UCP1B proximity probe is a versatile instrument which is intended to carry out underwater cathodic protection potential measurements. The unit is designed for use with manned or Remotely Operated Vehicles (ROV's). Operation of the UCP1B is carried out by way of placing the unit in close proximity to the surface under test, and reading the resulting voltage on a suitable high impedance or digital voltmeter. The meter should be connected between the probe and a separate structure negative return.

### FEATURES

- Hard wearing DELRIN body
- Replaceable Half Cell
- Easy to implement and use
- Lightweight design
- 3 metre long underwater cable
- Suitable for fitting to manipulator arm
- Unit fully tested and calibrated

The UCP1B can be used in a wide range of applications including production and drilling platforms, ships' hulls, jetties and other marine works.

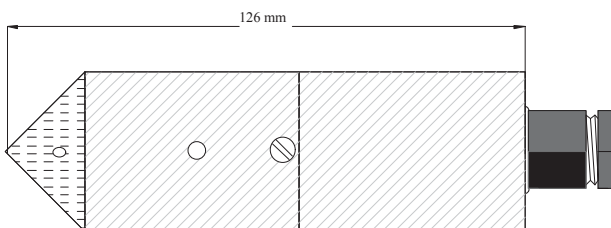
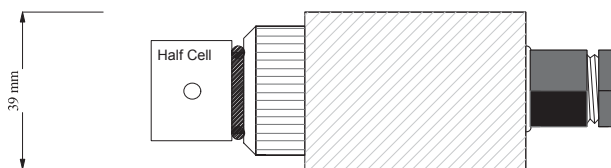
### TECHNICAL SPECIFICATION

#### Unit

Designed for use with remote voltmeter  
Minimum load impedance >10M Ohms  
Weight: 260 grams.  
Underwater cable: 3m long x 9mm.  
Size: 126mm long x 39mm diam.

#### Half Cell

Type: Silver/Silver Chloride screw-in.  
Accuracy:  $\pm 5\text{mV}$  when used in sea water.  
Temperature coeff:  $0.2\text{mV}/^\circ\text{C}$ .  
Temperature range:  $0 - 30^\circ\text{C}$   
Working life: 1 to 2 years if looked after.



### TECHNICAL ADVISORY / AFTER SALES SERVICE

A fast repair and re-calibration service is available to enable customers to fully maintain their Buckleys equipment.