



The Screw-in K-Series Reference Cell is an ideal environmentally friendly replacement for the old style Calomel Reference cells. It is used to ascertain the potential of the Silver/Silver Chloride/Seawater (Ag/AgCl/seawater) Half Cell in a Bathycorrometer, UCP1A or UCP1B underwater probe.

It has been specifically designed to be used on the Bathycorrometer. This is achieved by removing the stainless steel probe tip and screwing on the K-series reference cell. The potential of the internal Ag/AgCl/seawater reference cell can then be checked. To be confident in the results, ideally a set of three, different, K series cells should be used. The cells can also be used for checking the UCP1A or UCP1B probes but an adaptor lead (H16) and a high impedance voltmeter (greater than 10 M Ohm) would be required.

The electrode is housed in a high resistance PVC body. The reference electrode is supplied with full operating instructions and will give a service life of up to 1 year if correctly maintained and used.

K-series Reference Cell – product code: H107

FEATURES

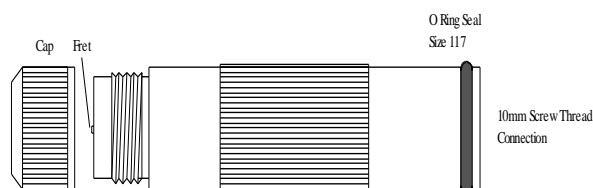
- Robust and easy to use
- Suitable for use with Bathycorrometers, UCP1A and UCP1B probes
- Environmentally Friendly vs Calomel Electrodes
- Inert body casing: PVC
- Long service life

TECHNICAL SPECIFICATION

- Electrical Connection: screw fit
- Output: +208mV @ 25°C vs Standard Hydrogen Electrode (SHE)
- Accuracy: +/- 5mV @ 25°C vs SHE
- Temperature coefficient: -0.64mV per °C
- Temperature range: 0 - 40 °C
- Working life: up to 1 year
- Weight (cell): 70g
- Dimensions (cell): 155mm long x 25mm diam.
- Packed weight: 0.3Kg
- Dimensions (packed): 26cm x 14cm x 30cm

ANCILLARY PRODUCTS AVAILABLE

Calibration kit (our ref: H28)
BCM Checker (our ref: H3)
Sea water corrosion test mixture (our ref: H26)
Silver/Silver Chloride screw-in half cells (our ref: H6)
Marine Survey Kit (our ref: H50)
Marine reference cells with 12.5m cable (our ref: H23)
Zinc test blocks (our ref: H8)
Magnesium test blocks (our ref: H9)



Note: Due to ongoing technical developments, all stated information is typical and is subject to change without notice or obligation

AFTER SALES SERVICE / TECHNICAL SUPPORT

All Buckleys products are manufactured under the controls established by a quality management system that meets the requirements of BS EN ISO 9001:2008 and are supplied with a one year "back-to-base" warranty. The equipment is proven to be robust and reliable and will give years of service if maintained in accordance with our instructions.

Advice on specific applications for all Buckleys products is available from our technical department. Contact us by telephoning +44 (0)1303 278888, sending a fax to +44 (0)1303 2274331 or by e-mail to: tech@buckleys.co.uk.