

The latest screw-in K-SAT Reference Cell is an improved version of the original K-Series reference cell. It offers greater stability and a longer service life.



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
- RoHS compliant

TECHNICAL SPECIFICATIONS

- Electrical connection: screw fit
- Output: +196mV @ 25°C vs Standard Hydrogen Electrode (SHE)
- Accuracy: +/- 10mV @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

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

This K-SAT reference cell is used to verify 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-SAT 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-SAT Cells should be used. The cells can also be used for checking the UCP1A or UCP1B probes but an adaptor lead (6004-0018) and a high impedance voltmeter (greater than 10 M Ohm) would also 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.

ANCILLIARY PRODUCTS AVAILABLE



CalChecker Pro'
6004-0080



Sea water corrosion
test mixture
6004-0030



Silver/silver chloride -
Ag/AgCl - screw-in
half-cell
6004-0051



Adaptor lead - K-
SAT/ Series
Reference Cell to
UCP1A/B
6004-0018



Marine reference
cell - Ag/AgCl -
12.5m cable
6004-0026



Zinc test block
6004-0052



Magnesium test
block
6004-0053



BathyCorrometer®
Pro' - calibration kit
6004-0031

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 9001:2015 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.

Buckleys provide full repair and calibration facilities; offering a fast turn-around service for customers' equipment.

Advice on specific applications for all Buckleys products is available from our technical department. Contact us by telephone or e-mail using the contact details below.

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