

The Calibration Kit has been created to provide all the necessary components to enable customers to verify the accuracy of the readings on the Buckleys or Roxby BathyCorrometers® so that 'in-house' verification can be carried out.



FEATURES

- Easy to use
- All kit parts can be replaced individually
- Full instructions included

KIT COMPRISES

- CalChecker Pro'
- 3 x screw-on K-SAT reference electrode cells
- Sea water corrosion test mixture
- Full instructions for 'in-house' verification

The process requires two areas to be checked. The Readings on the BathyCorrometer® should be 0.000 with the checker switched off and -1.900V with the checker on.

Providing the readings are correct, the silver/silver chloride screw-in half cell should be checked by using K-SAT Reference Cells in a standard saltwater solution. To confirm the readings, three cells should be used, and the sea water corrosion test mixture should be made up to a 3% solution.

TECHNICAL SPECIFICATIONS

CalChecker Pro'

- Power supply: 3 volt battery
- Battery type: alkaline CR1632
- Output voltage: -1.900 Volts
- Accuracy: +/- 0.01%
- Temperature coeff: 30ppm/°C
- Temperature range: 0-30°C
- On indicator: red LED
- Connection: 5 pin plug & probe clip

K-SAT Reference Cell

- Electrical connection: screw fit
- Output: +196mV @ 25°C vs SHE
- Accuracy: ±10mV @ 25°C vs SHE
- Temperature coeff: -0.64mV per/°C
- Temperature range: 0 - 40 °C
- Working life: up to 1 year
- Dimensions: 155mm long x 25mm dia.
- Packed weight (calibration kit): 1.9Kg
- Dimensions (packed): 44cm x 38cm x 14cm

IMPORTANT

BathyCorrometer® recalibration should only be undertaken by Buckleys trained and approved technicians with access to the appropriate electrical and pressure testing equipment.

Recalibration by unqualified technicians will invalidate the BathyCorrometer®'s warranty.

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

ANCILLARY PRODUCTS AVAILABLE:



Replacement silver/
silver chloride screw
in half cell
6004-0051



Zinc Test
Block
6004-0052



Magnesium Test
Block
6004-0053

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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