



The Bathycorrometer® is an advanced, hand held, diver operated unit providing a consistent way of determining the corrosion of subsea structures. The current model is based on the original Roxby unit which has been in service since 1971. It will provide the diver with a direct readout of corrosion potential at the point of application. It can also be connected to a Surface Display Unit to give topside readings (see data sheet H29). Whilst the performance of the unit has been improved by the introduction of new electronics, the original features of the Bathycorrometer have been retained as the unit has specified use worldwide.

Bathycorrometers are used for polarisation, corrosion and interaction surveys, in particular as part of the commissioning check or inspection of production and drilling platforms, underwater pipelines, ships hulls, jetties, piers and other marine works.

STANDARD KIT (ref: H1) comprises:
Buckleys Bathycorrometer, battery charger, 6 x hardened stainless steel probe tips, Probe tip spanner, Silicone grease, Zinc and Magnesium test blocks and comprehensive instruction manual, all contained in fitted carrying case

FEATURES

- Accurate 3½ digit LCD display
- LED Backlit LCD display
- Depth of operation – up to 350 metres
- Facility for adding remote monitoring via Surface Display Unit
- Single handed and light
- Robust and inert housing
- Contact with structure by hardened stainless steel probe
- Supplied with Calibration Certificate

ACCESSORIES AVAILABLE

Surface Display Unit (our ref: H29)

Calibration kit (our ref: H128)

K-Series reference cells (our ref: H107)

TECHNICAL SPECIFICATION

- Display 0.001 to 1.999v 3½ digit LCD backlight
- Accuracy 0.05% typical, instrument calibration accuracy +/- 1mV +/- 1 count
- Battery charger: 14hr standard 110-240v AC
- Input impedance 10M Ohms
- Operating temperature range 0 to 30°C, temperature stability 100 ppm/°C
- Operating time on full charge 50hr +
- Reference electrode: Silver/Silver Chloride
- Multi-function socket
- Weight (Unit only): in air 2.5Kg, in water 0.85Kg
- Dimensions (Unit only): 10cm diam. x 27.5cm long
- Dimensions (Carrying case): 44cm x 31cm x 14cm
- Packed weight (standard kit): 8Kg
- Dimensions (packed): 48cm x 39cm x 27cm

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. Annual re-calibration is recommended for the Bathycorrometers. Buckleys provide a full repair and re-calibration service offering a fast turn-around for customer's equipment.

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

Buckleys (UVRAL) Ltd., Buckleys House, Unit G, Concept Court, Shearway Business Park, Shearway Road, Folkestone, Kent. CT19 4RG. UK

**Tel: +44 (0)1303 278888 Fax: +44 (0)1303 274331
e-mail: sales@buckleys.co.uk web site: www.buckleys.co.uk**