

The Buckleys saturated Copper/Copper Sulphate (Cu/CuSO_4) reference electrode is designed for taking accurate measurements of structure-to-electrolyte potentials on buried steel structures.



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Robustly constructed, the cell has a large ceramic tip for good ground contact and comes complete with protective cover. The cell has been designed for ease of use – the addition of distilled water is all that is required to make it functional.

The contents can be seen through the acrylic body and the cell can easily be dismantled to allow the copper rod to be cleaned and the copper sulphate solution to be changed when necessary. It is essential to maintain a saturated copper sulphate solution for accurate potentials to be recorded.

The portable reference electrode can be used to determine the effectiveness of the onshore cathodic protection systems. It is not suitable for marine use.

Note: COSHH information for Copper Sulphate available on request.

ANCILLARY PRODUCTS AVAILABLE

- Copper Sulphate granules (part no: 6005-0251)
- Coupons (part no: 6005-0033, 6005-0034, 6005-0035)
- AC Mitigation Devices (part no: 6000-0001)

FEATURES

- Inert body casing: acrylic
- Ceramic end plug
- Lightweight
- Long shelf life
- Supplied with separate 1 metre connecting lead
- Refillable

TECHNICAL SPECIFICATIONS

- Electrical connection: 1 metre lead with 4mm plug at each end
- Nominal potential +0.316V vs SHE @ 25°C
- Accuracy: +/- 20mV
- Temperature range: 0 - 30 °C
- Dimensions (cell): 155mm long x 25mm diam.
- Weight (cell & cable): 360g
- Packed weight: 0.5Kg
- 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.

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.

Buckleys (UVRAL) Ltd.

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

Tel: +44 (0)1303 278888 Email: sales@buckleys.co.uk Website: www.buckleysinternational.com