

BUCKLEY BATHY CORROMETER



GENERAL DESCRIPTION

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: H28)

Calomel reference cells (our ref: H7)

TECHNICAL SPECIFICATION

- Display 0.001 to 1.999v 3½ digit LCD backlit
- Accuracy 0.05% typical, instrument calibration accuracy +/- 1mV +/- 1 count
- Battery charger: 14hr standard 110-230v 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



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