



دايفتيك  
DIVETECH

## BUCKLEYS BATHYCORROMETER



### TECHNICAL SPECIFICATION

- Display 0.001 to 1.999v 3½ digit LCD backlit
- Accuracy 0.05% typical, instrument calibration accuracy +/- 1mV +/-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
- Packed weight (standard kit): 8Kg
- Dimensions (packed): 48cm x 39cm x 27cm

### 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

[www.divetechuae.com](http://www.divetechuae.com) [info@divetechuae.com](mailto:info@divetechuae.com)



ISO 9001  
ISO 14001  
ISO 45001  
BUREAU VERITAS  
Certification



Lloyd's  
Register



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NIPPON KAI KYOKAI (UK) LTD

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**BATHY CORROMETERS** 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 COMPRISES:** Buckleys Bathy corrometer, 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

## Ultrasonic Thickness Gauge “CYGNUS”

- 2.8” quarter VGA colour AMOLED (320x240 pixels)
- Large clear thickness measurement (15mm high numbers)
- A-Scan display with automatic X axis
- Battery level, signal strength, probe type, velocity
- Measurement mode and units indication.



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**Battery**

Single 3.6V Li-ion 8.2 W battery  
11 hours continuous measurement  
Low battery warning 'alert' message.

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**Measurement Modes**

Single echo (first back-wall echo) using Twin Crystal probes  
Multiple echo (three back-wall echoes) using Single Crystal (zero-degree) probes.  
Automatically ignores surface coatings and measures only metal thickness.

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**Deep Coat**

For use with Multiple Echo mode. Allows measurement to be made through thicker coatings of suitable materials  $\frac{3}{8}$ " (20mm).

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**Probes**

Single Crystal probes:



2.25MHz  $\frac{3}{8}$ " (19mm)  
2.25MHz  $\frac{1}{2}$ " (13mm) (standard)  
3.5MHz  $\frac{1}{2}$ " (13mm)  
5.0MHz  $\frac{1}{4}$ " (6mm)

Twin Crystal probes:



2.0MHz  $\frac{1}{2}$ " (13mm x 2) (for cast irons etc.)  
5.0MHz  $\frac{5}{16}$ " (8mm x 2) (standard)

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