

CYGNUS MULTI-ECHO ULTRASONIC THICKNESS GAUGE EQUIPMENT SPECIFICATION

Features

The Cygnus Dive Multi-Echo Ultrasonic Thickness Gauge measures the time delay between any three consecutive backwall echos to produce accurate thickness readings. The time of T1 (coating thickness) is ignored. The times of T2 and T3 are equal to the time that it takes to travel through the metal. Only by looking at the three echoes can the measurements be automatically verified (where T2 = T3).

- Measures remaining metal thickness of corroded and coated structures
- All measurements are error-checked using 3 return echoes to give repeatable, reliable results
- Accepted by all major classification societies
- Greatly reduces inspection time and costs
- Echo strength indicator aids measurement



Technical Specifications

Certification	BS EN 15317:2 007
Accuracy	±0.05 mm (±0.002") Hi Res (<100 mm) ±0.1 mm (±0.005") Lo Res
Measurement range in Steel	3 mm - 250 mm with 2.5 MHz probe 2 mm - 150 mm with 3.5 MHz probe 1 mm - 50 mm with 5.0 MHz probe
Size	105 mm x 100 mm x 35 mm
Battery Life	10 hrs - Rechargeable Lithium-Ion
Weight in Air	905 g
Operating Temperature	-10° C to +50° C
Display	2.4" Colour TFT with LED Backlight
Depth Rating	300 m



Options & Accessories

- DIVElink Software
Allows remote display of thickness measurements on a computer via two-wire serial data link.
- Data Logging
Adds Data Logging features to the DIVE gauge including DIVElink software for data transfer.

