CYGNUS
INSTRUMENTS

RELIABLE ULTRASONIC MEASUREMENT

CYGNUS UNDERWATER

ULTRASONIC THICKNESS GAUGE

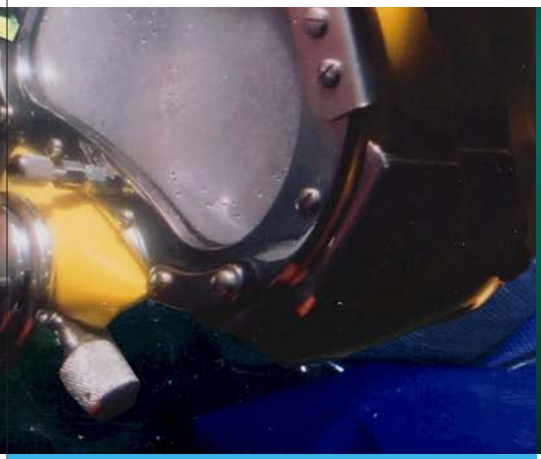
MADE IN BRITAIN

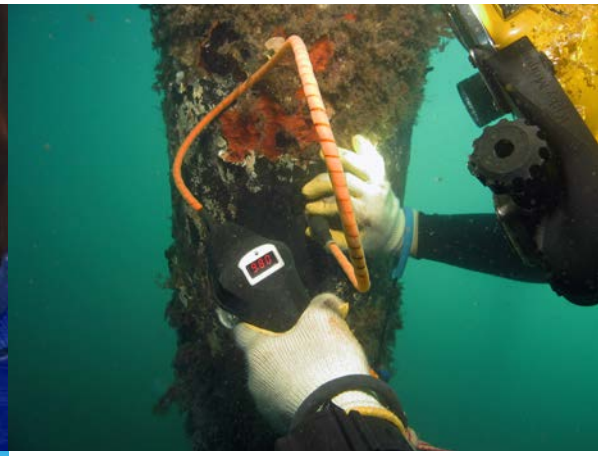
The Cygnus Underwater is the original diver-held subsea Multiple-Echo ultrasonic thickness gauge. It was designed for use by divers undertaking subsea maintenance and surveys 3 decades ago... and today it is still an industry standard.

IDEAL FOR USE IN

- HULL UTM INSPECTION
- CIVIL ENGINEERING
- MARINE STRUCTURES
- OFFSHORE PLATFORMS

...underwater structures, e.g. bridges, tanks, canal locks, subsea pipelines and equipment, UWILD or IWS class surveys.



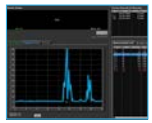


CYGNUS UNDERWATER KEY FEATURES

- **Multiple-Echo mode for accurate, through-coat measurements as specified by Classification Societies**
- **Deep Coat mode ignores coatings up to 20mm/0.79in. thick (upon request)**
- Heavy duty sealed unit with double 'O' ring protection
- Rugged, durable, shock-proof construction
- Easy & stable calibration - no zero adjustment
- Echo strength indicator to aid measurement
- Two rechargeable battery packs with charger
- Auto-Probe Recognition (APR)
- Topside Repeater options:
  - Option A - Palm-held Topside Repeater (TSR)
  - Option B - CygLink software (Windows based) for data logging and remote display

BRIGHT LED DISPLAY FOR POOR VISIBILITY

DEPTH RATED TO 300M / 984FT



CYGLINK SOFTWARE OPTION

TOPSIDE REPEATER OPTION

BENEFITS OF MULTIPLE-ECHO

- Measures remaining metal thickness on 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 to aid measurement.

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OPTIONS AND ACCESSORIES

Topside Repeater Remote Display Unit

The Cygnus Topside Repeater is a remote display unit connected to the gauge with an umbilical cable. It displays the thickness measurements at the surface in real-time during the survey.

Cyglink Computer Software

CygLink is a Windows® based application used to display, log and transfer thickness measurements at the surface. The software can generate PDF reports and export to CSV files, allowing for after-the-event analysis of logged measurements. Designed for Windows 7 and above.

Visit www.cygnus-instruments.com to explore our full product range

Call our team today on +44 (0) 1305 265 533 for expert product advice

CYGNUS UNDERWATER SPECIFICATION

Feature	Description
Materials	Velocities between 2000 m/s and 7000 m/s (0.0800 in/us to 0.2780 in/us) - covers virtually all common engineering materials
Measurement Range in Steel	1mm - 250mm (0.040" - 10.000") depending on selected probe and configuration, material and temperature
Accuracy	±0.1 mm or 0.1% of thickness measurement, whichever is greatest, when calibrated in accordance with Cygnus Instruments calibration procedure
Resolution	0.1 mm or 0.05 mm (selectable) (0.005" or 0.002")
Probe Options	Single crystal probes
Power	2 x rechargeable NiMH battery packs
Battery Life	2 x 20 hours continuous measuring (with fully charged battery packs)
Display	Large, bright LED display
Size	238mm long x 85mm diameter (9.4in x 3.4in) Including battery pack and probe head
Weight	977g (35 oz) Including batteries
Operating Temp.	-10°C to +50°C (14°F to 122°F)
Environmental Protection	IP68 continuous 300m (984 ft) rating
Standards	Designed for EN 15317
Compliance	CE, UKCA, RoHS

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