CYGNUS INSTRUMENTS

RELIABLE ULTRASONIC MEASUREMENT





CYGNUS ROV MOUNTABLE

ULTRASONIC THICKNESS GAUGE

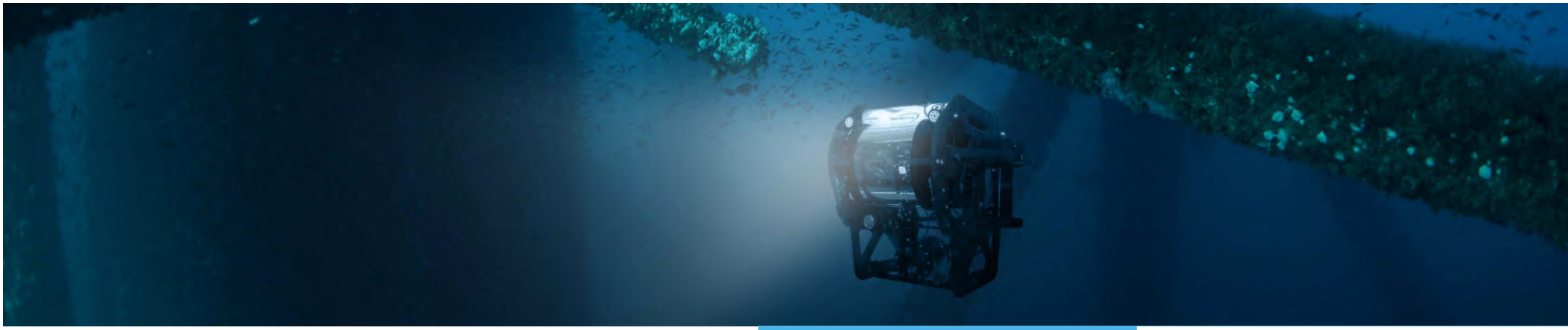
MADE IN BRITAIN

Specifically designed for underwater remotely operated vehicles, Cygnus offers a dedicated ROV mountable thickness gauge, ROV MK5 UTG Kit (depth rated to 500 meters (1,640 ft)). This gauge is versatile and designed to measure metal thickness in the harshest subsea operating conditions - without the need to remove coatings.

IDEAL FOR USE IN

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

...UWILD or IWS class surveys, subsea inspection, repair and maintenance (IRM) of infrastructure, underwater equipment



CYGNUS ROV MOUNTABLE KEY FEATURES



- **Multiple-Echo mode for accurate, through-coat measurements as specified by Classification Societies**
- Supplied with CygLink software to display and process measurements on a computer at the surface
- Selectable Deep-Coat mode ignoring coatings up to 20mm (3/4") thick
- Fitted with a safety Pressure Relief Valve and Securing Eye
- Easy calibration at the surface via CygLink software
- Removable end plate for full serviceability
- Wet mateable 'MC' style underwater connectors.
- Optional purpose-built ROV probe handlers for optimal alignment


DEPTH RATED TO 500 METERS (1,640 FT)


CYGLINK SOFTWARE


OPTIONAL **DEEP-COAT MODE**


WET-MATEABLE UNDERWATER CONNECTORS

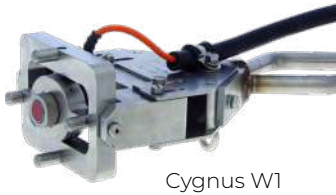
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ADDITIONAL ACCESSORIES

Engineered Probe Handling Solutions

Constructed from 316 stainless steel throughout, the W1 probe handler can be held by a manipulator arm and is ideal for use on Work Class ROVs. The Cygnus S1 and G1 Probe Handlers are developed for use on inspection, observation or light work-class ROVs.


Cygnus G1


Cygnus W1


Cygnus S1



Cyglink Computer Software

CygLink is a Windows® application that allows remote viewing, control and data logging of the Mini ROV gauge. The software can generate survey reports in PDF or export to a CSV file. 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 ROV MOUNTABLE **SPECIFICATION**

Feature	Description
Materials	Velocities between 2000 m/s and 7000 m/s (0.0800 and 0.2780 in/microsec)
Measurement Range in Steel	1 mm - 250 mm (0.040" - 10.000") depending on selected probe and configuration, material and temperature
Accuracy	±0.1 mm (±0.004") 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	7.0 - 30 V DC @ 150 mA (max)
Size	127mm long x 90mm diameter (5 in x 3.5 in)
Weight in Air	900g (2 lb)
Operating Temp.	-10°C to +50°C (14°F to 122°F)
Testing	Depth rated to 500 meters (1,640 ft)
Communication	RS-422, Simplex Single Pair or RS-232 TXD 2400 or 9600 Baud (selectable via DIP switches)
Standards	Designed for BS EN ISO 16831
Compliance	CE, UKCA, RoHS
Warranty	3 years on gauge and 6 months on probe

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All information provided is subject to change without prior notice.

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