CYGNUS
INSTRUMENTS

RELIABLE ULTRASONIC MEASUREMENT





CYGNUS MINI ROV MOUNTABLE

ULTRASONIC THICKNESS GAUGE

MADE IN BRITAIN

The Cygnus Mini ROV Mountable thickness gauge has been specially designed to be mounted onto small observation ROVs with or without a manipulator facility. Built in conjunction with VideoRay, this subsea thickness gauge will allow the operator to carry out an ultrasonic thickness measurement in areas that have previously been unfeasible using larger ROVs or divers. And no 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 MINI 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
- Easy calibration at the surface via CygLink software
- Optional purpose-built ROV probe handlers for optimal alignment



DEPTH RATED TO 500M / 1,640 FT



CYGLINK SOFTWARE



RINA TYPE APPROVED



PURPOSE-BUILT PROBE HANDLERS OPTION

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ADDITIONAL ACCESSORIES

Engineered Probe Handling Solutions

Complementing the Cygnus Mini ROV Mountable thickness gauge, the Cygnus G1 is designed for use on observation, inspection and light workclass ROVs whilst the S1 probe handler is developed for use on ROVs performing UTM surveys on ship hulls.



Cygnus G1

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 MINI ROV MOUNTABLE **SPECIFICATION**

Feature	Description
Materials	Velocities between 1000 m/s and 9995 m/s (0.0400 and 0.3998 in/microsec)
Measurement Range in Steel	1mm - 250mm (0.040" - 10.000") depending on selected probe and configuration, material and temperature
Accuracy	±0.1mm (±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	7.5 - 30 V DC @ 150 mA (max)
Display	PC or laptop with VGA (not included)
Size	160mm x 62mm (6.3 x 2.4 in.)
Weight in Air	550g (19.4 oz)
Operating Temp.	-10°C to +50°C (14°F to 122°F)
Approvals	RINA Type approved
Testing	Tested to 500m (1,640ft) depth
Communication	RS-422, Simplex Single Pair or 2400 Baud (RS-232 9600 Baud output available as special order)
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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Cygnus Instruments Ltd.
Cygnus House
30 Prince of Wales Road
Dorchester
Dorset DT1 1PW
United Kingdom

Cygnus Headquarters

Call +44 (0) 1305 265 533
Email sales@cygnus-instruments.com
Visit cygnus-instruments.com

Cygnus USA

Call +1 (410) 267 9771
Email sales@cygnus-instruments.com
Visit us.cygnus-instruments.com

Cygnus UAE

Call +971 50 3459305
Email ribu@cygnus-instruments.com
Visit cygnus-instruments.com

Cygnus Singapore

Call +65 6252 5909
Email sales@cygnus-instruments.sg
Visit sg.cygnus-instruments.com