

CYGNUS¹

HEAVY DUTY
BASIC MODEL

APPLICATIONS

Metal thickness monitoring on cranes, marine structures and conveying systems.

Corrosion checks on ships' shell plates, bulkheads and structures.

Metal thickness safety checks on steam and pressurised water systems, transportable gas containers and compressed air systems.

Systematic wall thickness and corrosion monitoring of storage tanks and process vessels.

Quality assurance metal thickness checks.

Maintenance and safety checks on bridges and street lighting columns.

MULTIPLE ECHO ULTRASONIC Digital Thickness Gauge

Measures metal thickness to determine wastage or corrosion - accurately, quickly and *without removing surface coatings.*

Cygnus multiple echo, single crystal probes mean:-

- Coatings do not have to be removed - measures only the metal thickness.
- Accepted by major classification societies.
- No grinding - minimum surface preparation.
- Measures on rough corroded surfaces.
- Speed, accuracy and reliability.
- No false readings - repeatable results.
- Easy to use - minimum operator training.
- Greatly reduced inspection time and cost.
- Measures on metals and some other materials.



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CYGNUS
INSTRUMENTS LTD
ULTRASONIC NDT EQUIPMENT

CYGNUS¹

HEAVY DUTY
BASIC MODEL

MULTIPLE ECHO ULTRASONIC Digital Thickness Gauge

FEATURES

- Heavy duty sealed unit - highly water / dirt / dust resistant
- Rugged construction - shock proof
- Stable calibration - linear accuracy - no zero adjustment
- Self verification of the measurements to ensure accuracy
- Various probe options
- Displays sound velocity settings
- Echo strength indicator to aid measurement
- Bright L.E.D display with polarised filter
- Probe frequency selectable
- Low battery warning
- Metric / Imperial switchable



BS EN ISO9001: 2000



Cygnus House,
30 Prince of Wales Road, Dorchester,
Dorset, DT1 1PW, England.

Telephone : +44 (0) 1305 265533
Facsimile: +44 (0) 1305 269960
E-Mail: sales@cygnus-instruments.com
Web Site: www.cygnus-instruments.com

SPECIFICATION

Materials	Sound velocities between 2000 m/s and 7000 m/s		
Range	3 mm - 250 mm with 2.25 MHz probe 2 mm - 150 mm with 3.5 MHz probe 1 mm - 50 mm with 5 MHz probe		
Accuracy	±0.1 mm	OR	±0.05 mm
Resolution	0.1 mm		0.05 mm
Probes	Remote single crystal soft-faced compression. 6 mm - 5 Mhz 13 mm - 2.25, 3.5 or 5 Mhz 19 mm - 2.25 Mhz		
Power	3 x AA alkaline batteries		
Display	Large clear L.E.D. display with polarised filter		
Size	240 mm x 75 mm		
Weight	886 gms - remote probe 827 gms - fixed head		
Operating Temp.	-10°C to +50°C		

KIT CONTENTS

Instrument, heavy duty remote 2.25 MHz 13mm diameter probe, battery pack, spare membranes and 'O' rings, steel test block, calibration trim tool, operation manual and carry case.



3 year warranty

Distributed by NDT Equipment Services Ltd
11, Vaux Road, Finedon Road. Ind. Est.
Wellingborough, Northants. NN8 4TG
Tel: +44 (0) 1933 274833
Fax: +44 (0) 1933 274113
Email: saleshire@ndt-es.co.uk