

CYGNUS⁴

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 with
Liquid Crystal Backlit Display

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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Multiple Echo
Ultrasonic Thickness Gauge

FEATURES

- Blacklit digital display for easy viewing from bright sunlight to complete darkness
- Rugged construction - shock proof - protected to IP65
- 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
- Calibrates to a known thickness or a known velocity of sound
- Probe frequency selectable
- Low battery warning
- Metric / Imperial switchable



abcdef
BS EN ISO9001: 2000



CYGNUS
INSTRUMENTS LTD
ULTRASONIC NDT EQUIPMENT

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 1000 m/s and 9995 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 Resolution	±0.1 mm ±0.05 mm 0.1 mm OR 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	2 x AA alkaline batteries
Display	Large clear L.C.D. display with switchable backlight
Size	150 mm x 33 mm x 82 mm
Weight	285 gms
Operating Temp.	0°C to +50°C

KIT CONTENTS

Instrument, remote 2.25MHz 13 mm diameter probe, spare membranes, steel test block, leather case with strap, operation manual and carry case.



2 year warranty