

# CYGNUS<sup>1</sup>

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.



# CYGNUS<sup>1</sup>

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



abcdef  
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](mailto:sales@cygnus-instruments.com)  
Web Site: [www.cygnus-instruments.com](http://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 Resolution	±0.1 mm      OR      ±0.05 mm 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

