

## **187-0116 : ECHO ULTRASONIC Digital Thickness Gauge with Liquid Crystal Backlit Display**

### **A P P L I C A T I O N S**

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

### **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.

### **K I T C O N T E N T S**

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

## **Specifications**

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  $\pm 0.1$  mm  $\pm 0.05$  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 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