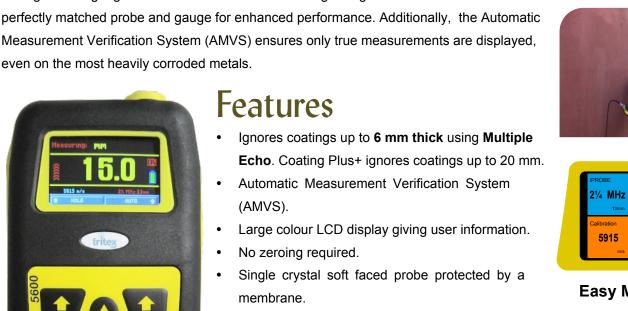




Ultrasonic Thickness Gauge

Multigauge 5600

The Multigauge 5600 is a simple, robust ultrasonic thickness gauge designed for most common thickness gauging applications. The easy to use keypad allows operator interface whilst the bright LCD display can be used in all light conditions. The moulded soft rubber surround feels comfortable, looks good and provides extra protection against knocks and scrapes. All probes have Intelligent Probe Recognition (IPR), which automatically adjusts settings in the gauge at the same time as transmitting recognition data - the result is a perfectly matched probe and gauge for enhanced performance. Additionally, the Automatic Measurement Verification System (AMVS) ensures only true measurements are displayed, even on the most heavily corroded metals.





Easy calibration with menu driven buttons.

- · Echo strength indicator.
- 3 year warranty.
- Free calibration for the life of the gauge.

simple . accurate . robust





iPROBE	Measuring	Battery
2¼ MHz	-	
13mm	mm	4.4V
Calibration	Units	Resolution
5915	mm	0.1
m/s	V3.10p	mm

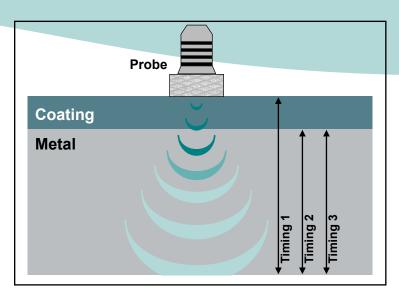
Easy Menu System

Typical Applications

Shipping Pipelines
Bridges Road Tankers
Pilings Offshore Platforms
Storage Tanks Lighting Columns
Industry Phone Masts
Quality Control Lock Gates
Leisure Craft Barges

About Multiple Echo

All Ultrasonic Thickness Gauges should be calibrated to the velocity of sound of the material being measured. Coatings have a different velocity of sound than metal and it is important they are not included in the measurement. Multiple Echo ensures all coatings, up to 6mm thick, are completely eliminated from the measurement.



How it works:

A transmitted ultrasound pulse travels though both the coating and the metal and reflects from the back wall. The returned echo then reverberates within the metal, with only a small portion of the echo travelling back through the coating each time. The timing between the small echoes gives us the timing of the echoes within the metal, which relate to the metal thickness. The returned echoes need not be consecutive as the gauge will interpret them automatically and calculate the thickness. A minimum of three echoes are checked each time. This is referred to as the Automatic Measurement Verification System (AMVS).

Specification

Sound Velocity Range	From 1000 m/s to 8000 m/s (0.0394 in/μs to 0.3150 in/μs)			
Single Crystal Soft Faced Probe Options	2.25 MHz	3.5 MHz	5 MHz	
Probe Measurement Range	3 - 250 mm (0.120" to 10")	2 - 150 mm (0.080" to 6")	1 - 50 mm (0.040" to 2")	
Probe Sizes	13 mm (0.5") & 19 mm (0.75")	13 mm (0.5")	6 mm (0.25") & 13 mm (0.5")	
Resolution	0.1 mm (0.005") or 0.05 mm (0.002")			
Accuracy	± 0.1 mm (0.005") or ± 0.05 mm (0.002")			
Display	Colour LCD			
Coatings Range	Up to 6mm (Standard Mode)*; up to 20mm (Coating Plus+)*			
Batteries	3 x disposable AA alkaline batteries or rechargeable NiMH / NiCD			
Battery Life	Up to 50 hours continuous use using alkaline batteries			
Gauge Dimensions	147 mm x 90 mm x 28 mm (5.75" X 3.5" X 1")			
Gauge Weight	325 g (11.5 ounces) including batteries			
Environmental	Case rated to IP65. RoHS and WEEE compliant			
Operating Temperature	-10°C to +50°C (14°F	-10°C to +50°C (14°F to 122°F)		
Storage Temperature	-10°C to +60°C (14°F	-10°C to +60°C (14°F to 140°F)		

The Tritex Multigauge 5600 has been manufactured to comply with British Standard BS EN 15317:2007, which covers the characterisation and verification of ultrasonic thickness measuring equipment.



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Kit Contents:

Multigauge 5600 gauge, probe lead, spare membranes, membrane oil, ultrasonic gel, 15mm test block, membrane key, batteries, manual, calibration certificate, carry

Optional leather case.

3 YEAR WARRANTY

