

# *Ultrasonic Thickness Gauges*



simple . accurate . robust

[www.tritexndt.com](http://www.tritexndt.com)

# About Our Company

Tritex NDT have developed a range of products using a wealth of experience and unique understanding of all aspects of thickness gauging. We understand the problems faced by customers in all applications in the field of NDT and we aim to provide the best possible solutions. Our knowledge has been applied to the design, manufacture and marketing of our products and above all, Tritex is committed to respecting the environment by omitting the use of leaded components and materials in all our products by complying with the RoHS and WEEE directives.

Our use of the Triple Echo method ensures that damage to protective coating is eliminated, therefore removing the need for costly replacement.

Tritex NDT is committed to ensuring that all customers are provided with the highest level of products and services from first contact and throughout the active life of the product. We are acutely aware of the value of after sales care to all our customers.



## Mission Statement

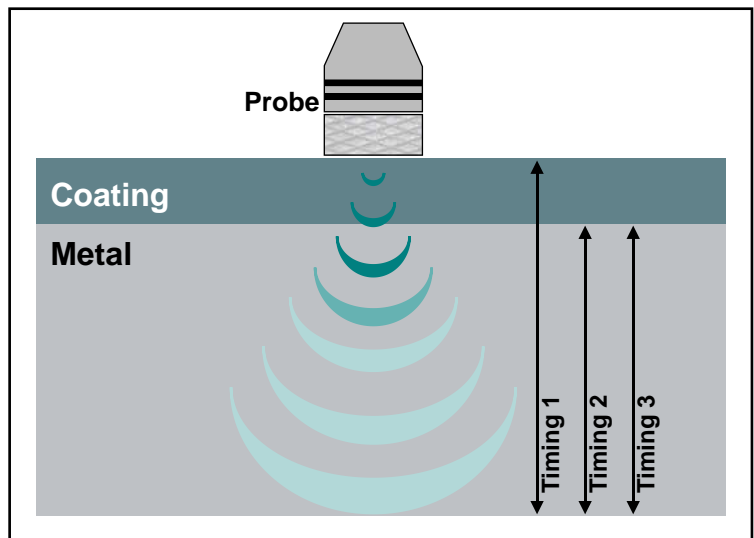
Tritex NDT are committed to providing quality Triple Echo Ultrasonic Thickness Gauges to very high standards. We work closely with our stakeholders including customers, suppliers and employees to ensure we offer the best possible products and services to maintain customer satisfaction with minimal impact on the environment.

## About Triple 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. Triple Echo ensures all coatings are completely eliminated from the measurement.

### *How it works:*

A transmitted ultrasound pulse travels through 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)**.



# About Our Products

All Tritex multigauges undergo stringent testing to ensure they meet the high standards expected by our customers. They are designed for robustness, simplicity and most importantly, accuracy. All probes have **IPR (Intelligent Probe Recognition)**, 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. That's not all; the **AMVS (Automatic Measurement Verification System)** ensures only true measurements are displayed, even on the most heavily corroded metals. **Triple Echo** also significantly reduces preparation time by ensuring that coatings are entirely ignored and no zeroing is required. **Coating Plus+** allows measurements to be taken through coatings up to 20 mm thick, depending on the coating type. All gauges can be calibrated for all types of metal.

## MultigaUGE 5500

*Tritex Multigauges are the choice for the future  
– benefit from Tritex Technology*



The MultigaUGE 5500 has been designed for hands free use when climbing on staging, ladders, scaffolding or when accessing by rope. Whether it's onboard a ship, on large storage tanks, climbing on top of a road tanker or inspecting underneath a bridge, the 5500 will make the job much easier.

## 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 Tritex Multigauges come with a 3 year manufacturer's warranty.

## About Our Applications

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



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## Contact

Tritex NDT Ltd  
Unit 10  
Mellstock Business Park  
Higher Bockhampton  
Dorchester, Dorset  
United Kingdom  
DT2 8QJ

t: +44 (0) 1305 257160  
f: +44 (0) 1305 259573  
e: [sales@tritexndt.com](mailto:sales@tritexndt.com)  
w: [www.tritexndt.com](http://www.tritexndt.com)