

Corrosion Thickness Gauges Built to Last

NDT Systems manufactures a complete range of high-quality corrosion thickness gauges adapted for almost every application and material. Instant and repeatable measurements can be made in a non-destructive way with access needed from only one side of the material. With a ruggedized aluminum construction and small and ergonomic size, our thickness gauges are renowned for ease of use and longevity in the field. Our more advanced packages offer some unique features and have unparalleled precision while staying cost effective. All gauges come with key features included as standard, giving the best price for the performance without the surprise of hidden costly options.



Powerful, Lightweight and Portable Thickness Gauge

- High Measurement Accuracy
- Easy-to-Use Interface
- Multiple Operating Display Modes Including Control, A-Scan and B-Scan
- Multiple Measurement Modes Including ECHO, DUAL ECHO and PEAK-to-PEAK

Introduction

The TG-510 ultrasonic thickness gauge with A-scan is a powerful, lightweight and portable thickness gauge, designed with an ergonomic shock-resistant case with rubber protectors – a modern industrial version of a general-purpose thickness gauge. It is an excellent choice for expert ultrasonic testing in either laboratory or field conditions.

Key features

- Wide range of measuring thicknesses
- Functionality of thickness gauge and flaw detector
- Convenience and ease in operation
- B-scan mode, which allows user to get the product profile
- Minimum number of controls
- Custom probe setup
- Preset ultrasound material velocities
- High brightness color display
- Acoustic contact Indicator

Applications

- Metals, plastics, composites, glass, rubber
- Tubes, pipes, tanks, pressure vessels
- Corrosion & pitting measurement
- Corrosion, erosion, chemical-milled inspections
- Boilers Glass

ULTRASONIC THICKNESS GAGE

Technical Specifications		
General	Package Dimensions Power source Operating temp. Storage temp. Connector type	TG-510 unit, Li-Ion battery, AC charger (110-240V), USB Cable, User manual, COC 6.5in x 3.5in x 2in, 1.15lbs 165mm x 90mm x 50mm, 0.5kg Li-ion battery (8 hours autonomy) or AC power (110/220V) -4 F - 104 F (-20 °C to 40 °C) 32 F - 104 F (5 °C to 40 °C) Dual Lemo-00
Display	LCD Screen	3.5" Color LCD 480 x 320 Resolution adjustable brightness and palette
	Units	Inch/mm
Transducer	Type Frequency	Single and dual element Contact, Delay 1.25 MHz - 10 MHz Selectable
Performance	Thickness Resolution Velocity	0.015" – 60+" 0.4mm – 1500+mm 0.001" 0.01mm 0.0393 in/us - 0.3930 in/us 1000 - 9999 m/s
Modes	Presentation	A-Scan, B-Scan, Digital Mode, Control Mode, Manual Mode
Pulser	Pulser voltage	60V - 300V
Receiver	Display modes	RF, FW
	Sweep width	5 - 900mm
Gates	Multiple gates	Echo, Echo-Echo, Peak-Peak
Alarms	Modes	Low & High
Outputs		Mini-USB
Storage	Internal Memory Card	7000+ Measurements Including A-Scans