

# PosiTector® **UTG** Series

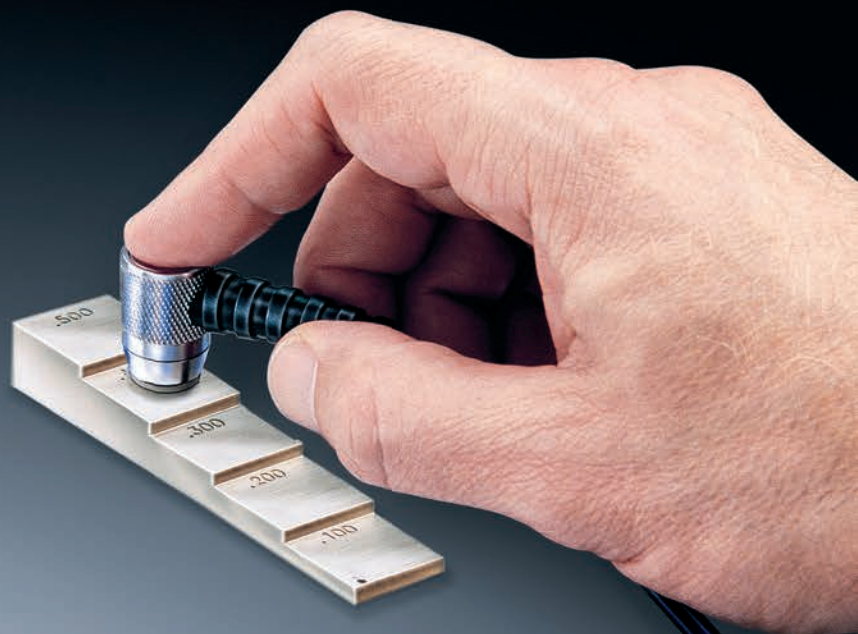
## Ultrasonic Thickness Gage



Measures the wall thickness of materials such as steel, plastic and more



**UTG M Thru-Paint models** measure the metal thickness of a painted structure without having to remove the coating.



**DeFelsko®**  
The Measure of Quality



Available on the  
App Store



Bluetooth®

# PosiTector® *UTG Series*

## All Gages Feature...

### Simple

- Pre-programmed velocities—simply select from a list of common materials or enter your own with ease
- **SmartCouple™** mode eliminates unintentional decoupling—ensures continuous measurements while measuring on scaled or pitted surfaces—ideal for analyzing large areas using multiple passes
- RESET feature instantly restores factory settings

### Durable

- Solvent, acid, oil, water and dust resistant—weatherproof
- Shock-absorbing, protective rubber holster with belt clip
- Two year warranty on gage body AND probe

### Accurate

- Precision transducers provide fast, accurate readings
- Certificate of Calibration showing traceability to NIST included
- Conforms to national and international standards including ASTM E797
- Built-in temperature compensation ensures measurement accuracy

### Versatile

- PosiTector body accepts all PosiTector probes easily converting from an ultrasonic wall thickness gage to a coating thickness gage, surface profile gage, dew point meter, soluble salt tester, or hardness tester
- High contrast LCD with backlit display
- Uses alkaline or rechargeable batteries (built-in charger)

### Powerful

- Min Scan mode—measurement rate of up to 20 readings/sec with onscreen min/max for quick inspection over a large area
- Continually displays/updates average, standard deviation, min/max thickness and number of readings while measuring
- Screen Capture—save screen images for record keeping and review
- Sealed USB port for fast, simple connection to a PC and to supply continuous power. USB cable included.
- PosiSoft USB Drive—stored readings and graphs can be accessed using universal PC/Mac web browsers or file explorers. No software required.
- Includes PosiSoft suite of software for viewing and reporting data

Probe Style	Corrosion Probe		Multiple Echo Probe	
	Standard Model	Advanced Model	Standard Model	Advanced Model
Standard Model	UTGC1	UTGCX1	UTGM1	
Advanced Model	UTGC3	UTGCX3	UTGM3	
Probe Type	5 MHz Dual Element		5 MHz Contact	
Cable Type	PVC	Braided Stainless Steel	PVC	
Mode	Single Echo		Single Echo	Multiple Echo
Measurement Range*	0.040" to 5.000" 1.00 to 125.00 mm		0.100" to 5.000" 2.50 to 125.00 mm	0.100" to 2.500" 2.50 to 60.00 mm
Thru-Paint Capability	no		no	yes
Resolution	0.001" 0.01 mm		0.001" 0.01 mm	
Accuracy	± 0.001" ± 0.03 mm		± 0.001" ± 0.03 mm	

\* Measurement range is for carbon steel and depends upon surface condition, temperature and material.

### Standard Models

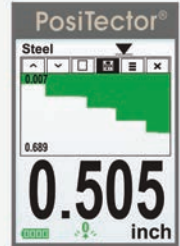
**Includes ALL features as shown on left plus...**

- Storage of 250 readings per probe—stored readings can be viewed or downloaded

### Advanced Models

**Includes ALL features as shown on left plus...**

- Storage of 100,000 readings from multiple probes in up to 1,000 batches and sub-batches
- A-Scan with adjustable Gain and screen capture
- B-Scan—displays a cross sectional profile of the test material
- Live graphing of measurement data
- WiFi technology wirelessly synchronizes with PosiSoft.net and downloads software updates
- **Bluetooth® 4.0 Technology** for data transfer to a mobile device running the PosiTector App or optional portable printer
- Batch/Reading annotation—add notes and change batch names with onscreen QWERTY keyboard
- Integrate with third-party software, drones, ROVs, PLCs, and robotic devices using several industry-standard communication protocols



**B-Scan**

For a complete comparison of the Standard and Advanced features visit [www.defelsko.com/UTG](http://www.defelsko.com/UTG)

## Select from 2 Probe Styles

### UTG C – Corrosion Probe

Measures the wall thickness of materials such as steel, plastic and more. Ideal for measuring the effects of corrosion or erosion on tanks, pipes or any structure where access is limited to one side.

- 5 MHz dual element transducer with durable PEEK probe tip
- Automatic V-Path compensation for thin materials

**NEW** **UTG CX Xtreme probe** with braided stainless steel cable and heavy-duty strain reliefs for demanding applications

### UTG M – Multiple-Echo Probe

Features Thru-Paint capability to quickly and accurately measure the metal thickness of a painted structure without having to remove the coating. Also ideal for measuring on sandblasted materials and other applications requiring a more durable wear face.

- 5 MHz contact probe with wear resistant alumina probe tip
- Multiple-Echo technique averages 3 or more echoes for accurate and reliable readings
- Toggle easily between Single and Multiple Echo modes
  - Multiple Echo mode to eliminate coating thickness
  - Single Echo mode to detect pits/flaws and to increase measurement range

**All gages come complete** with ultrasonic gel, protective rubber holster with belt clip, wrist strap, 3 AAA alkaline batteries, instructions, protective lens shield, nylon carrying case with shoulder strap, Long Form Certificate of Calibration traceable to NIST, USB cable, PosiSoft Software, two (2) year warranty.

**Size:** 146 x 61 x 28 mm (5.75" x 2.4" x 1.1")

**Weight:** 140 g (4.9 oz.) without batteries  
Conforms to ASTM E797



**UTG C3**  
Advanced model  
with A-Scan