

# PosiTector<sup>®</sup> **UTG**

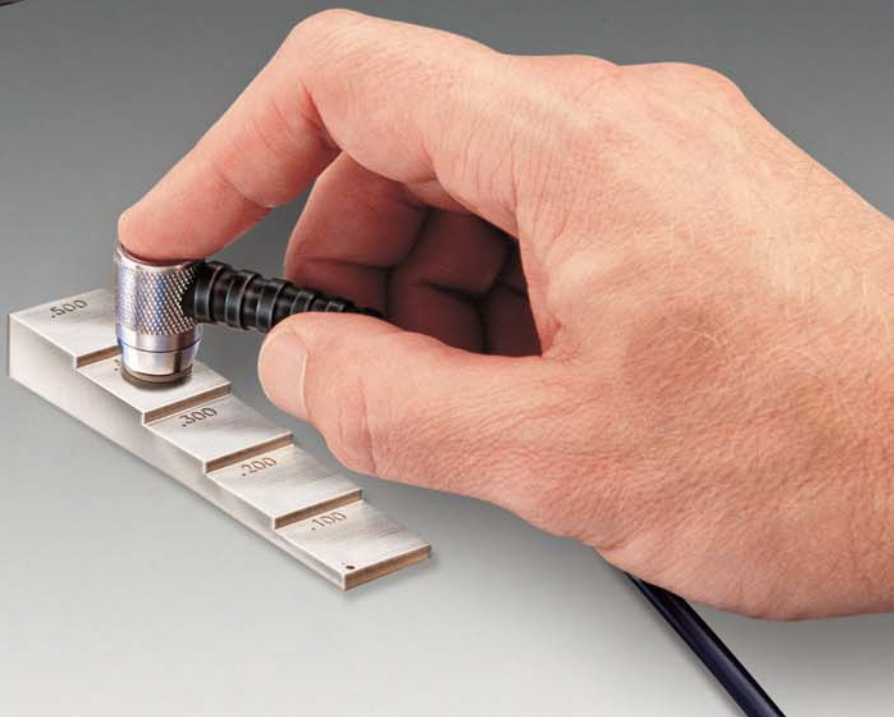
*Ultrasonic Thickness Gage*

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.

*UTG C3 Advanced model shown with Corrosion Probe*



**DeFelsko<sup>®</sup>**

*The Measure of Quality*

# PosiTector® Ultrasonic Thickness Gages

## All Gages Feature...

### Simple

- Enhanced one-handed menu navigation
- 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
- Flashing display—ideal in a noisy environment
- RESET feature instantly restores factory settings

### Durable

- Solvent, acid, oil, water and dust resistant—weatherproof
- Impact resistant lens
- Shock-absorbing, protective rubber holster with belt clip
- Two year warranty on 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

- Universal Gage Body accepts all PosiTector UTG, 6000, DPM and SPG probes
- Flip display enables right-side-up viewing
- Selectable display languages
- Hi contrast backlit display for bright or dark environments
- Single or two point adjustment
- Inch/mm switchable
- Uses alkaline or rechargeable batteries (built-in charger)

### Powerful

- Min Scan mode—measurement rate of up to 20 readings per second 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
- HiLo alarm audibly and visibly alerts when measurements exceed user-specified limits
- Screen Capture—record and save screen images into USB flash memory for record keeping and review
- USB port for fast, simple connection to a PC and to supply continuous power. USB cable included
- Every stored measurement is date and time stamped
- Software updates via web keep your gage current
- Connects to PosiTector.net (see next page)

**USB mass storage—** stored readings and graphs can be accessed using universal PC/Mac web browsers or file explorers. No software required



## Gage Selection

### Select Standard or Advanced Features

#### Standard Models

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

- Monochrome display with transfective technology enhances sunlight readability
- Storage of 250 readings—stored readings can be viewed or downloaded

#### Advanced Models

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

- Hi contrast reversible color LCD
- Storage of 100,000 readings in up to 1,000 batches and sub-batches
- Store thickness, profile and environmental measurements in individual batches
- Onscreen help, real time graphing, picture prompting, and more...
- Onscreen batch annotation—add notes and change batch names with the built-in keyboard
- Data transfer via USB to a PC or via Bluetooth® Wireless Technology
- A-Scan with adjustable Gain and screen capture
- B-Scan—displays a cross sectional profile of the test material



UTG C1 Standard model

## 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



Stainless steel probes with knurled finger grip

### 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. The most accurate method to measure the remaining wall thickness of a painted structure because it automatically disregards the coating, lowering inspection time and expense. Also ideal for measuring on sandblasted materials or other applications requiring a 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
  - Multiple Echo** mode to eliminate coating thickness and...
  - Single Echo** mode to detect pits and flaws, and to increase the measurement range



## Tough **NEW** Features

Sealed USB port for communicating with a PC or Mac

Water and dust resistant—weatherproof

Hi Resolution Color LCD

Advanced model shown in B-Scan

Scratch, solvent, and impact resistant lens

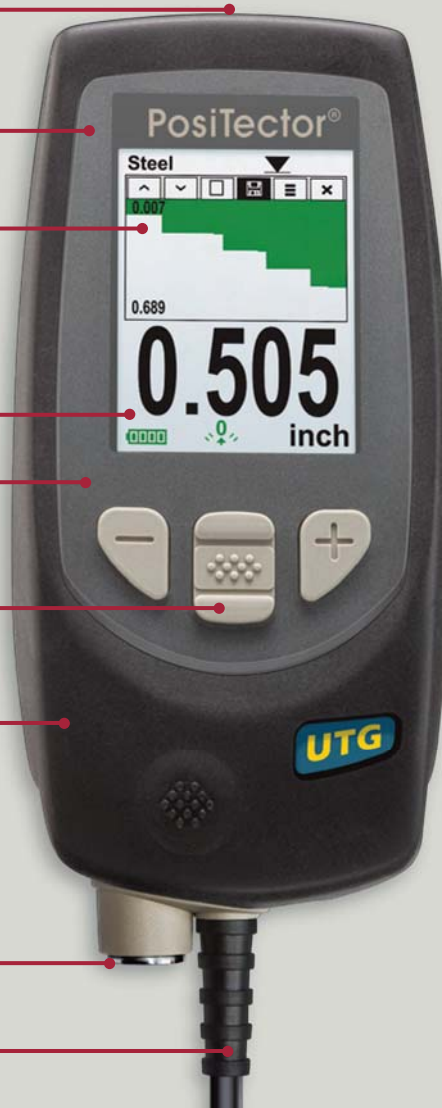
Solvent, acid, oil resistant, hi-grade, industrial housing

Multi-function navigation button

Shock-absorbing, protective rubber holster

Zero Plate

Quality high-flex cable and strain relief



UTG M Multiple Echo Thru-Paint probe measures the thickness of a painted structure without having to remove the coating.



UTG C3 Advanced model

Measure the thickness of metal, plastics and more

**PosiTector.net** by DeFelsko

Home My Gages What's New My Account

where your gage meets the cloud™

PosiTector.net

Included web-based application offers secure centralized management of measurement data

- Synchronize measurement data when connected via USB—readings are uploaded to a secure server; images and batch notes are downloaded to your instrument
- Manipulate uploaded data using a standard internet web browser from any location in the world — jobsite or head office
- Generate reports and graphs with annotation and user selected images
- Share measurement data with authorized users via a secure login from any computer and most web enabled devices
- Export data to XML and text files
- Visit [www.defelsko.com/PositectorNET](http://www.defelsko.com/PositectorNET) for a demonstration



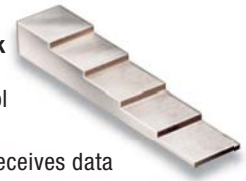
Visit [www.defelsko.com/applications.htm](http://www.defelsko.com/applications.htm) to view **Inspection Application Notes**

PosiTector <sup>UTG</sup> ORDERING GUIDE			
Probe Style	UTG C Corrosion Probe	UTG M Multiple Echo Probe	
Standard Model	UTG C1	UTG M1	
Advanced Model	UTG C3	UTG M3	
Probe Type	5 MHz Dual Element	5 MHz Contact	
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
Measurement Rate – Normal	6 readings/sec	4 readings/sec	
Measurement Rate – Scan	20 readings/sec	4 readings/sec	
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.

## Accessories

- **Calibration Test Block** to fulfill both ISO and in-house quality control requirements
- **Bluetooth™ Printer** receives data from Advanced models



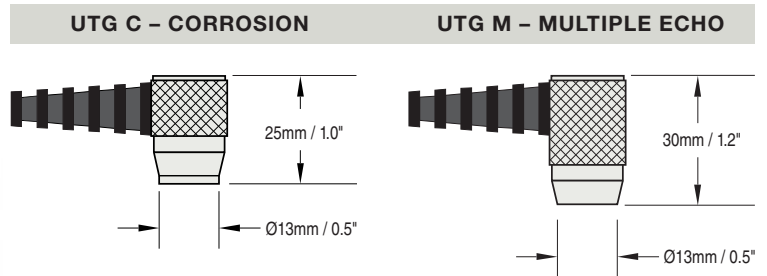
- **Rechargeable Batteries**—a set of eneloop NiMH AAA batteries
- **AC Power Kit** for continuous operation or battery charging—works in any country
- **Protective Lens Shields** protect the display from overspray and debris

## Universal Gage Body

- Universal Gage Body accepts all PosiTector **UTG**, **6000**, **SPG** and **DPM** probes



## Probe Details



**ALL GAGES COME COMPLETE** with body and probe, couplant, protective rubber holster, belt clip, wrist strap, 3 AAA alkaline batteries, instructions, nylon carrying case with shoulder strap, protective lens shield, Long Form Certificate of Calibration traceable to NIST, USB cable, PosiTector.net account, 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



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