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

Ordering Guide

<table>
<thead>
<tr>
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<th>Corrosion</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Probe Type</td>
<td>Cabled</td>
<td>Integral</td>
<td>Cabled</td>
<td></td>
<td></td>
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<tr>
<td>Standard</td>
<td>UTG C1</td>
<td>UTG C1A</td>
<td>UTG CX1</td>
<td>UTG CLF1</td>
<td>UTG M1</td>
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<tr>
<td>Advanced</td>
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<td>UTG CX2</td>
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<td>UTG M2</td>
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<td>PRBUTGC</td>
<td>PRBUTGC A</td>
<td>PRBUTGC C8</td>
<td>PRBUTGC D3</td>
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Options

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Ultrasonic Couplant—glycol gel facilitates sound propagation through materials. Sold in packs of two or cases of twelve.

Replacement Transducer—field replaceable transducer for PosiTector UTG P only.

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AC Power Kit—for continuous operation—works in any country

Replacement Zero Block—for PosiTector UTG CA only

PosiTector Probes
PosiTector bodies accept all PosiTector probes easily converting from an ultrasonic thickness gage to a coating thickness gage, surface profile gage, dew point meter, salinity tester, or hardness tester.

Conforms to ASTM E707

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Toll Free 1-800-448-3835 • Tel: +1-315-393-4450
techsale@defelsko.com • www.defelsko.com

Rugged Features...

Sealed USB Port for communicating with a PC or Mac

2.8” impact resistant color touchscreen display

Auto rotating display with Flip Lock and on-screen help

Ergonomic design with durable rubberized grip

Redesigned keypad for quick navigation

Sealed connector protects probe from water and dust intrusion

Weatherproof, dustproof, and shockproof

2.8” impact resistant color touchscreen display

Ergonomic design with durable rubberized grip

Redesigned keypad for quick navigation

Sealed connector protects probe from water and dust intrusion

All Gages Come Complete with ultrasonic gel, protective rubber holster, 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 on body and probe.

*SIZE: 127 x 66 x 25.4 mm (5” x 2.6” x 1”)  WEIGHT: 137 g (4.9 oz.)

*Size and weight are for the PosiTector gage body only and do not include the probe.

Conforms to ASTM E707

Previews...
Corrosion Probes
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.

**Standard Models**
Includes ALL features as shown on left plus...
- NEW Storage of 1,000 readings per probe—stored readings can be viewed or downloaded

**Advanced Models**
Includes ALL features as shown on left plus...
- NEW Storage of 250,000 readings from multiple probes in up to 1,000 batches and sub-batches
- Live graphing of measurement data
- NEW Touchscreen keyboard for quickly renaming batches, adding notes, and more
- A-Scan with adjustable Gain and screen capture. P-450 UTG M and UTG P probes include dual cursors to measure the distance between echoes
- B-Scan—displays a cross-sectional profile of the test material
- Wifi technology wirelessly synchronizes with PosiSoft.net and downloads software updates
- Newbuild 4.0 Technology for data transfer to a mobile device running the P-450 UTG App or optional portable printer: BLE API available for integration into third-party software
- Integrate with third-party software, drones, ROVs, PLCs, and robotic devices using several industry-standard communication protocols

**Corrosion Probes Features**
- **Multiple Echo Probe**—UTG M
  - 5 MHz contact probe with wear resistant alumina probe tip and cabled probe
  - Multiple-Echo technique averages 3 or more echoes for accurate and reliable readings
  - Toggle between Single and Multiple-Echo modes
  - Single-Echo mode eliminates coating thickness. Multiple Echo mode detects pit flaws and increases measurement range

**New Features**
- 15 MHz Single Element Delay Line with cabled probe
- Field replaceable transducer
- Auto Single or Multi-Echo mode depending on material and thickness
- Automatic probe tip temperature compensation
- Ideal for thru-paint applications to quickly and accurately measure the metal thickness of a painted structure without having to remove the coating

**Select from Six Models**
- **Xtreme Probe**—UTG CX
  - 5 MHz Dual Element transducer with braded stainless steel cabled probe
  - Durable cable and heavy duty strain relief
  - For demanding applications

- **Low Frequency Probe**—UTG CLF
  - 2.5 MHz Dual Element transducer with cabled probe
  - Designed for measuring attenuation of materials such as cast iron
  - Proprietary algorithm distinguishes back wall reflections from grain noise (reflections) found in cast materials

---

**Multiple Echo Probe**—UTG M
- 5 MHz contact probe with wear resistant alumina probe tip and cabled probe
- Multiple-Echo technique averages 3 or more echoes for accurate and reliable readings
- Toggle between Single and Multiple-Echo modes
- Single-Echo mode eliminates coating thickness. Multiple Echo mode detects pit flaws and increases measurement range

**PosiSoft Desktop**
A powerful desktop software for viewing and reporting data:
- Includes customizable, templated PDF Report Generator. No internet connection required.

**PosiSoft App**
A mobile app connects PosiTector Advanced instruments, the PosiTector SmartLink and the PosiTector APP to your iOS or Android smartphone.

**PosiSoft USB Drive**
A simple USB interface to retrieve data in a manner similar to USB flash drives, cameras, or digital audio players. No software to install or internet connection required.
**Corrosion Probes**

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.

- **Cabled Probe — UTG C**
  - 5 MHz Dual Element transducer with cable probe

- **Integral Probe — UTG CA**
  - 5 MHz Dual Element transducer with integral probe
  - Same specifications and operation as the popular UTG C but with a convenient integral configuration — ideal for one-handed operation

**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 blasted materials and other applications requiring a more durable wear face.

- **Multiple Echo Probe — UTG M**
  - 5 MHz contact probe with wear resistant alumina probe tip and cabled probe
  - Multiple-Echo technique averages 3 or more echoes for accurate and reliable readings
  - Toggle between Single and Multiple-Echo modes
    - Multiple-Echo mode eliminates coating thickness
    - Single-Echo mode detects pits/flaws and increases measurement range

**Precision Probe**

Designed for high resolution measurements and thin materials including metals and plastics. Automatic Multi-Echo mode ensures the best accuracy on thin metals.

- **Precision Probe — UTG P**
  - 15 MHz Single Element Delay Line with cabled probe
  - Field replaceable transducer
  - Auto Single or Multi-Echo mode depending on material and thickness
  - Automatic probe tip temperature compensation
  - Ideal for thru-paint applications to quickly and accurately measure the metal thickness of a painted structure without having to remove the coating

---

**PosiTector UTG Series**

All Gages Feature...

**Simple**
- Pre-programmed velocities—simply select from a list of common materials or enter a custom value with ease
- SmartCoup™ mode eliminates unintentional decoupling—ensures continuous measurements on coated or pitted surfaces—ideal for analyzing large areas using multiple passes
- Larger 2.8" impact resistant color touchscreen with redesigned keypad for quick menu navigation
- On-page help explains menu items at the touch of a button
- RESET feature instantly restores factory settings

**Durable**
- Weatherproof, dustproof, and water-resistant—IP65-rated enclosure
- New ergonomic design with durable rubberized grip
- Shock-absorbing protective rubber holster for added impact resistance
- Two year warranty on gage body and probe

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

**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
- PosiTector net and downloads software updates
- Mobile app connects PosiTector再到 your mobile device running the PosiTector app or optional portable printer
- Available for integration into third-party communication protocols

**Powerful**
- Min Scan mode—take continuous readings and record min/max thicknesses—ideal for quick inspection over a large area
- Continually displays updates average, standard deviation, min/max, and number of readings while measuring
- New Screen Capture—take 100 screen images for record keeping and review
- New instant-on feature quickly powers up the gage if recently powered down
- Up to 30% longer battery life
- USB port for fast, simple connection to a PC and to supply continuous power
- 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

**For a complete comparison of the Standard and Advanced features visit www.detritus.com/UTG**

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**Corrosion Measurement**

- **UTG M**
  - Standard model in memory mode

**Ultrasonic Wall Thickness Probes**

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<thead>
<tr>
<th>Application</th>
<th>Corrosion</th>
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<th>Multiple Echo</th>
<th>Precision</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model</td>
<td>UTG C</td>
<td>UTG CA</td>
<td>UTG CLF</td>
<td>UTG M</td>
<td>UTG P</td>
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<tr>
<td>Probe Type</td>
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<td>Cabled</td>
<td>Cabled</td>
<td>Cabled</td>
<td>Cabled</td>
</tr>
<tr>
<td>Mode</td>
<td>Single</td>
<td>Single</td>
<td>Single</td>
<td>Multiple</td>
<td>Steel</td>
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<tr>
<td>Resolution</td>
<td>0.000&quot; to 0.003&quot;, 1.000 to 125.00 mm</td>
<td>0.000&quot; to 0.003&quot;, 2.000 to 125.00 mm</td>
<td>0.000&quot; to 0.003&quot;, 2.00 to 60.00 mm</td>
<td>0.000&quot; to 0.003&quot;, 0.2 to 12.0 mm</td>
<td>0.000&quot; to 0.003&quot;, 0.2 to 12.0 mm</td>
</tr>
<tr>
<td>Accuracy</td>
<td>±0.0032 mm</td>
<td>±0.01 mm</td>
<td>±0.001 mm</td>
<td>±0.01 mm</td>
<td>±0.001 mm</td>
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*Measurement range is for carbon steel and depends upon surface condition, temperature, and material.*

---

**Select from Six Models**

- **Xtreme Probe — UTG CX**
  - 5 MHz Dual Element transducer with brazed stainless steel cabled probe
  - Same specifications and operation as the popular UTG C but with a durable cable and heavy-duty strain relief for demanding applications

- **Low Frequency Probe — UTG CLF**
  - 2.25 MHz Dual Element transducer with cabled probe
  - Designed for measuring attenuative materials such as cast iron
  - Proprietary algorithm distinguishes back wall reflections from grain reflections found in cast materials

---

**PosiSoft™...FREE SOLUTIONS for viewing, analyzing, and reporting data:**

- Powerful desktop software for downloading, viewing, printing, and storing measurement data. Includes customizable, templated PDF Report Generator. No internet connection required.
- Mobile app connects PosiTector Advanced Instruments, the PosiTector SmartLink and the PosiTector AT-A to your iOS or Android smart device.

---

**Standard Models**

Includes ALL features as shown on left plus...

- NEW Storage of 1,000 readings per probe—stored readings can be viewed or downloaded
- Multiple Echo Probe — UTG M
  - A-Scan and B-Scan—display a cross sectional profile of the test material
  - WiFi technology wirelessly synchronizes with PosiSoft.net and downloads software updates
  - Marisolv 4.0 Technology for data transfer to a mobile device using the PosiTector App or optional portable printer. BLE API available for integration into third-party software.
  - Integrates with third-party software, drones, ROHS, PLCs, and robotic devices using several industry-standard communication protocols

**Advanced Models**

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- NEW Storage of 250,000 readings from multiple probes in up to 1,000 batches and sub-batches
- Live graphing of measurement data
- NEW touchscreen keyboard for quickly renaming batches, adding notes, and more
- A-Scan with adjustable Gain and screen capture. PosiTector UTG M and UTG P probes include dual cursors to measure the distance between echoes
- B-Scan—displays a cross sectional profile of the test material
- NEW Measurement range is for carbon steel and depends upon surface condition, temperature, and material.
- WiFi technology wirelessly synchronizes with PosiSoft.net and downloads software updates
- Marisolv 4.0 Technology for data transfer to a mobile device using the PosiTector App or optional portable printer. BLE API available for integration into third-party software.
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All Gages Come Complete with ultrasonic gel, protective rubber holster, 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 on body and probe.

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Toll Free 1-800-448-3835 • Tel: +1-315-393-4450
techsales@defelsko.com • www.defelsko.com

Ergonomic design with durable rubberized grip

Auto rotating display with Flip Lock and on-screen help

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<tr>
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<td>UTG CA1</td>
<td>UTG CX1</td>
<td>UTG CLF1</td>
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<tr>
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<td>UTG CA2</td>
<td>UTG CX2</td>
<td>UTG CLF2</td>
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<td>PRBUTG1C1</td>
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Certified Step Blocks

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