DeFelsko®
Inspection Instruments

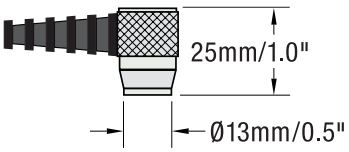
Order Code	Description
☐ UTGCLF1	PosiTector Standard with UTG CLF Probe
☑ UTGCLF3	PosiTector Advanced with UTG CLF Probe

PosiTector *UTG*
Ultrasonic Thickness Gage

Compare PosiTector Gage Bodies

Features	Standard	Advanced
NEW Larger 2.8" impact resistant color touchscreen with redesigned keypad for quick menu navigation	●	●
HiLo alarm—Audibly and visibly alerts when measurements exceed your specified limits	●	●
Min Scan mode—take continuous readings and record min/max thicknesses—ideal for quick inspection over a large area	●	●
A Scan—with adjustable Gain and screen capture for further analysis and documentation		●
B Scan—displays a cross sectional profile of the test material		●
Live graphing of measurement data		●
NEW Touchscreen keyboard for quickly renaming batches, adding notes, and more		●
NEW Prompted Batch Mode—create pre-defined batches with on-screen text and image prompts for each reading		●
Statistics Mode—Instantly calculate average, standard deviation, min/max thickness and number of readings while measuring	●	●
Two year warranty on body AND probe	●	●
Reading Storage Capacity	1,000 per probe	250,000 in up to 1,000 batches
Connection Options		
USB port for fast, simple connection to a PC and to supply continuous power. USB cable included.	●	●
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. **BLE API** available for integration into third-party software.		●

PosiTector *UTG CLF3*

Removable Cabled Probe	Probe Model UTG CLF	
	**Probe Type:**	2.25 MHz Dual Element
	Thru-Paint Capability (Multiple Echo):	No
	***Measurement Range - Single Echo:**	0.080" to 5.000" 2.00 to 125.00 mm
	Resolution:	0.001" 0.01 mm
	***Accuracy:**	±0.001" ±0.03 mm

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

UTG CLF **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.**

- **2.25 MHz dual element transducer cabled probe**
- **Designed for measuring attenuative materials such as cast iron**
- **Proprietary algorithm distinguishes back wall reflections from grain noise (reflections) found in cast materials**

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All Gages Feature...

Simple

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

Durable

- ***NEW*** 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

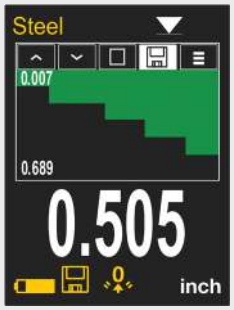
- Precision transducers provide fast, accurate readings
- Certificate of Calibration showing traceability to NIST included
- Built-in temperature compensation ensures measurement accuracy
- Conforms to national and international standards including ASTM E797

Versatile

- Selectable display languages
- ***NEW*** Auto rotating display with Flip Lock

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—save 100 screen images for record keeping and review
- ***NEW*** Instant-on feature quickly powers up the gage if recently powered down
- ***NEW*** Up to 30% longer battery life
- 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
- Includes PosiSoft suite of software for viewing and reporting data (see page 3) for a complete overview of these options.



Advanced Models Feature A-Scan & B-Scan

A-Scan with adjustable Gain and screen capture. 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 *(shown on left)*

Award Winning Compatibility!

PosiTector body accepts all PosiTector *UTG*, *6000*, *200*, *RTR*, *SPG*, *DPM*, *SST*, and *SHD* probes easily converting from an ultrasonic wall thickness gage to a coating thickness gage, dew point meter, surface profile gage, soluble salt tester, or hardness tester.

Comes complete with PosiTector gage body, UTG CLF probe, couplant (ultrasonic gel), protective rubber holster, wrist strap, 3 AAA alkaline batteries, instructions, protective lens shield, convenient carrying case, Long Form Certificate of Calibration traceable to NIST or PTB, USB cable, PosiSoft Software, two (2) year warranty.

***SIZE:** 127 x 66 x 25.4 mm (5" x 2.6" x 1")

***BODY WEIGHT:** 137 g (4.9 oz.) without batteries

CONFORMS TO: ASTM E797

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

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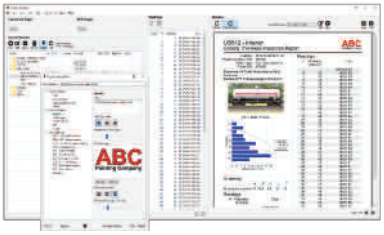
PosiSoft® Suite of Software

Powerful ways to view and report your PosiTector and PosiTest data

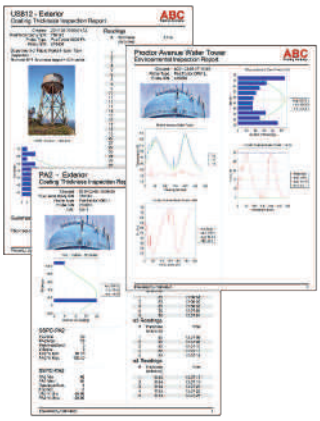
PosiSoft Desktop — PC/Mac

Powerful desktop software for downloading, archiving, and reporting measurement data.



- Import readings directly from the gage via USB, WiFi, or legacy PosiSoft Desktop versions
- **Jobs feature** consolidates batches into groups to keep measurement data organized and to quickly create multi-batch reports
- Fully integrates with PosiSoft.net—backup and synchronize jobs, batches, readings, and report templates to the cloud (see inset at right)
- Export readings as .csv (comma separated value) files for easy import into Excel and other spreadsheets

Professional, Custom Reports



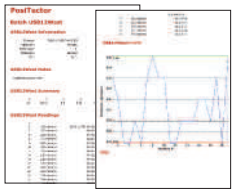
- Compile single or multi-batch reports from multiple probes and instrument types
- Add pictures, screen captures, notes, and more with an onscreen live preview
- Instantly create professional reports from pre-formatted report templates
- Design custom layouts and templates—add custom cover pages and logos, and choose to display charts, histograms, and/or individual readings
- Drag-and-drop Custom Fields mode—import PDF forms and overlay fields to automatically populate inspection data

Prompted Batch Mode

Create pre-defined batches with onscreen text and image prompts for each reading and upload to PosiTector 6000, 200, and UTG gages (*Advanced models only*).

- Ideal for ensuring a consistent measurement pattern for repetitive jobs or when specific measurement locations are required

PosiSoft USB Drive — Gage based



A simple gage interface to retrieve data in a manner similar to USB flash drives or cameras. No software to install or internet connection required. Measurement data can be printed quickly from a formatted HTML report or exported in .csv format for further analysis in spreadsheets.

PosiTector App — iOS/Android

Fully-featured mobile app that connects to the PosiTector SmartLink, PosiTector Advanced gages, and the PosiTest AT-A.

- Auto pairing Bluetooth BLE connection
- Add images and notes to individual readings or batches directly from your device
- Email readings as .csv (comma separated value) files for easy import to Excel and other spreadsheets.
- Synchronize readings with PosiSoft.net—backup and synchronize jobs, batches, and readings to the cloud (see inset below)

Mobile Reporting Solution

- Compile single or multi-batch reports from multiple probes and instrument types
- Add pictures, screen captures, notes, and more
- Email pre-formatted or custom reports from your device instantly

PosiSoft.net

Secure storage of measurement data in the cloud.

compatible with **PosiSoft Desktop and PosiTector App**

- Upload measurement data directly from WiFi-connected PosiTector Advanced gages from anywhere in the world—no software required
- Synchronize and share measurement data across multiple computers

Ideal for…

- Users with multiple computers, instruments, and office locations
- Inspection companies managing data from multiple inspectors

- Login from PosiSoft Desktop to synchronize all measurement data and stored report templates from your account

PosiSoft.net Web Viewer Review measurement data and print simple, pre-formatted PDF reports from any web browser—no software installation required.

PosiTector Developer Resources

•Bluetooth 4.0 •WiFi •Keyboard Mode •USB Serial

PosiTector and PosiTest AT-A instruments can integrate with third-party software, drones, ROVs, PLCs, and robotic devices using several industry-standard communication protocols including: Bluetooth 4.0, WiFi, Keyboard mode, and USB serial.

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