DeFelsko®
Inspection Instruments

Order Code	Description
☑ FTRS1	PosiTector Standard with 6000 FTRS Probe
☐ FTRS3	PosiTector Advanced with 6000 FTRS Probe

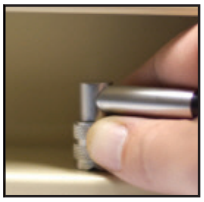
PosiTector® 6000 Coating Thickness Gage

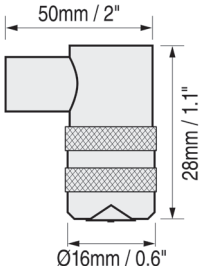
Compare PosiTector Gage Bodies

Features	Standard	Advanced
Large 2.8" impact resistant color touchscreen with redesigned keypad for quick menu navigation	●	●
Fast Mode—90+ readings per minute for quick inspection	●	●
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
Live graphing of measurement data		●
Touchscreen keyboard for quickly renaming batches, adding notes, and more		●
SSPC-PA 2, ISO 19840, and IMO PSPC 90/10 modes help users comply with standards by prompting for max/min specifi cations, displaying the necessary readings, and automatically calculating statistics with a pass/fail result.		●
Prompted Batch Mode—create pre-defi ned batches with on-screen text and image prompts for each reading		●
3 Scan Modes—Increase measurement speed to 180+ readings per minute		●
Multiple stored calibration adjustments for measuring on a variety of substrate conditions		●
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 *6000 FTRS1*

PosiTector® *SmartLink* Compatible



Removeable Cabled Probe	Probe Model FTRS	
	**Range:**	0 - 250 mils
		0 - 6 mm 0 - 6000 µm
	***Accuracy:**	± (0.5 mils + 1%) 0 - 100 mils ± (0.5 mils + 3%) > 100 mils
		± (0.01 mm + 1%) 0 - 2.5 mm ± (0.01 mm + 3%) > 2.5 mm

*Accuracies are stated as a fixed value plus a percentage of the gage's actual reading.

FTRS **right angle probe for measuring thick protective coatings on steel substrates. Ideal for thick epoxy, rubber, intumescent fireproofing and more. Ideal for measuring in areas of low headroom.**

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Inspection Instruments

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☑ FTRS1	PosiTector Standard with 6000 FTRS Probe
☐ FTRS3	PosiTector Advanced with 6000 FTRS Probe

All Gages Feature...

Simple

- Fast measurement speed—60+ readings per minute. Enhanced FAST mode—90+ readings per minute for quick inspection.
- Ready to measure—no adjustment required for most applications
- Large 2.8” impact resistant color touchscreen with redesigned keypad for quick menu navigation
- On-gage help explains menu items at the touch of a button
- Flashing display—ideal in a noisy environment
- RESET feature instantly restores factory settings

Durable

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

Accurate

- Certificate of Calibration showing traceability to NIST or PTB included
- Built-in temperature compensation ensures measurement accuracy
- Hi-RES mode increases displayed resolution for precision applications
- Conforms to national and international standards including ISO and ASTM

Versatile

- Multiple calibration adjustment options including zero, 1 point, 2 point, and ISO 19840 correction factors
- Selectable display languages
- Auto rotating display with Flip Lock
- Extended cables available (up to 75 m/250 ft) for remote measuring

Powerful

- Continually displays/updates average, standard deviation, min/max, and number of readings while measuring
- Screen Capture—save 100 screen images for record keeping and review
- HiLo alarm audibly and visibly alerts when measurements exceed user-specifi ed limits
- 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. USB cable included.
- PosiSoft USB Drive—stored readings and graphs can be accessed using universal PC/Mac web browsers or fi le explorers. No software required.
- Every stored measurement is date and time stamped
- Includes PosiSoft suite of software for viewing and reporting data (see page 3)

Award Winning Compatibility!

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

Comes complete with PosiTector gage body, FTRS probe, precision plastic shim(s), protective rubber holster, wrist strap, 3 AAA alkaline batteries, instructions, protective lens shield, hard 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”) ***WEIGHT:** 137 g (4.9 oz.) without batteries

CONFORMS TO: ISO 19840/2178/2360/2808, ASTM B244/B499/D1186/D1400/D7091/E376/G12, BS3900-C5, SSPC-PA2 and others

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

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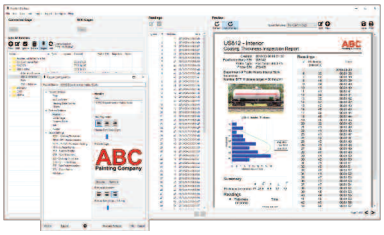
PosiSoft® Suite of Software

Powerful ways to view and report your PosiTector and PosiTest data

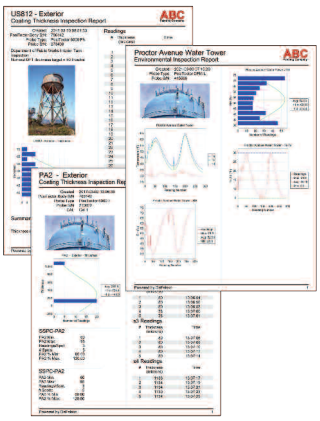
PosiSoft Desktop — PC/Mac

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



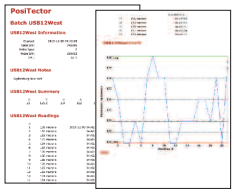
- Compile single or multi-batch reports from multiple probes and instrument types
- Add pictures, screen captures, notes, and more with an onscreen live preview
- Instantly create professional reports from pre-formatted report templates
- Design custom layouts and templates—add custom cover pages and 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



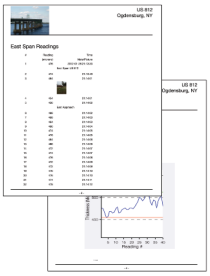
A simple gage interface to retrieve data in a manner similar to USB flash drives or cameras. No software to install or internet connection required. Measurement data can be printed quickly from a formatted HTML report or exported in .csv format for further analysis in spreadsheets.

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.

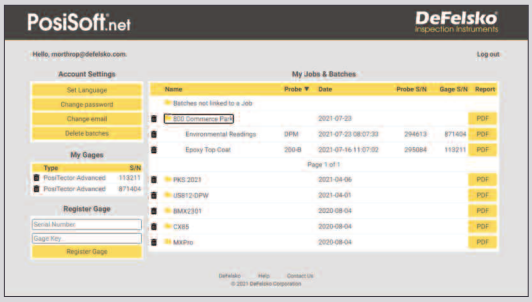
compatible with **PosiSoft Desktop and PosiTector App**

- 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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