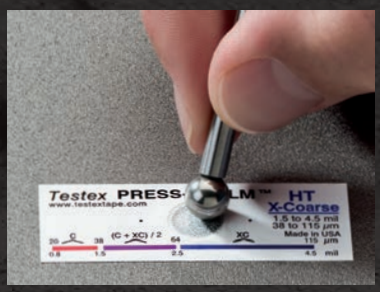
PosiTector® RTR H

Replica Tape Reader

Measures and records surface profile parameters using replica tape



For use with Testex™ Press-O-Film™ Replica Tape

IP65

DeFelsko®
The Measure of Quality

DISTRIBUÉ PAR / DISTRIBUTED BY:

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PosiTector® RTR H

All Gages Feature...

Simple
- Measures peak height (H_L)
- Automatically subtracts the 50.8 µm (2 mil) incompressible film from all readings
- Minimizes inspector workload by reducing the number of replicas needed to ensure accuracy (see green inset below)
- ***NEW*** Larger 2.8" impact resistant color touchscreen with redesigned keypad for quick menu navigation
- ***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
- Rugged indoor/outdoor instrument—ideal for field or shop use
- ***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
- Produces a more accurate peak-to-valley height measurement (H_L) (see green inset below)
- Certificate of Calibration showing traceability to PTB included
- Conforms to national and international standards including ISO and ASTM

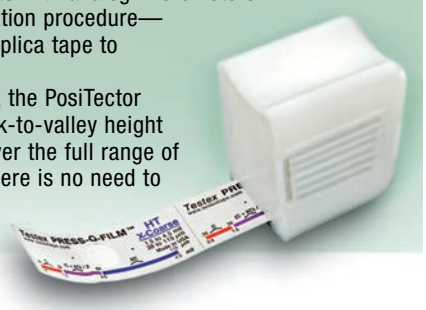
Versatile
- PosiTector body accepts all PosiTector RTR, SPG, 6000, 200, DPM, IRT, SST, SHD, BHI, and UTG probes easily converting from a surface profile gage to a coating thickness gage, dew point meter, soluble salt tester, hardness tester, or ultrasonic wall thickness gage
- Selectable display languages
- ***NEW*** Auto rotating display with Flip Lock

Powerful
- 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.
- PosiSoft USB Drive—stored readings and graphs can be accessed using universal PC/Mac web browsers or file explorers. No software required.
- Every stored measurement is date and time stamped
- Includes PosiSoft suite of software for viewing and reporting data

Linearized Peak Height Measurement (H_L)

Coarse and X-Coarse replica tape share a 38–64 µm (1.5–2.5 mil) "overlap" region. Measurements with analog micrometers require a complicated linearization procedure—averaging the two grades of replica tape to achieve reasonable accuracy.

With a single measurement, the PosiTector RTR produces a linearized peak-to-valley height measurement (H_L), accurate over the full range of Coarse and X-Coarse tapes. There is no need to average two or more replicas.



Select Standard or Advanced Features

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
- Live graphing of measurement data
- ***NEW*** Touchscreen keyboard for quickly renaming batches, adding notes, and more
- 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.

For a complete comparison of the Standard and Advanced features visit www.defelsko.com/rtr

PosiTector SmartLink™

- Wirelessly connect PosiTector RTR H probes to your smart device
- Turns your cell phone or tablet into a virtual PosiTector gage
- Includes free mobile app

Ordering Guide	
Standard Model	RTRH1
Advanced Model	RTRH3
Probe Only	PRBRTRH

For information on measuring common 2D/3D profile parameters such as Ra, Rz, Sq, Spd and more with the PosiTector RTR 3D visit www.defelsko.com/RTR3D

Peak Height (H_L) Specifications

Range	20–115 µm (0.8–4.5 mils)
Accuracy	±5 µm (±0.2 mils)
Resolution	1 µm (0.1 mils)

ALL GAGES COME COMPLETE with stainless steel burnishing tool, 5 cleaning cards, check shim(s), surface cleaning putty, protective rubber holster, wrist strap, 3 AAA alkaline batteries, instructions, nylon carrying case with shoulder strap, protective lens shield, Long Form Certificate of Calibration traceable to PTB, USB cable, PosiSoft Software, two (2) year warranty on body and probe.

Conforms to ASTM D4417, ISO 8503-5, NACE RP287, SSPC-PA 17, SSPC-SP5, SP6, SP10, SP11-87T and others.

DeFelsko® Inspection Instruments
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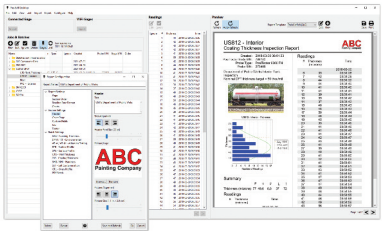
Made in U.S.A.

PosiSoft® Suite of Software

Powerful ways to view and report your PosiTector and PosiTest data

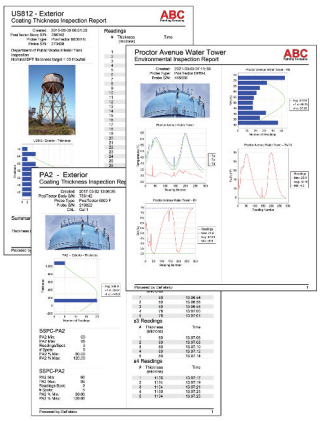
PosiSoft Desktop — PC/Mac

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



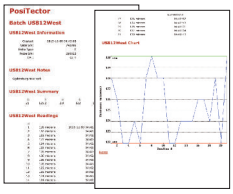
- Compile single or multi-batch reports from multiple probes and instrument types
- Add pictures, screen captures, notes, and more with an onscreen live preview
- Instantly create professional reports from pre-formatted report templates
- Design custom layouts and templates—add custom cover pages and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



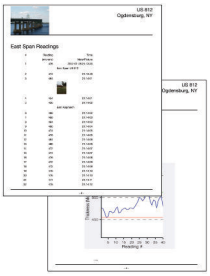
A simple gage interface to retrieve data in a manner similar to USB flash drives or cameras. No software to install or internet connection required. Measurement data can be printed quickly from a formatted HTML report or exported in .csv format for further analysis in spreadsheets.

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.

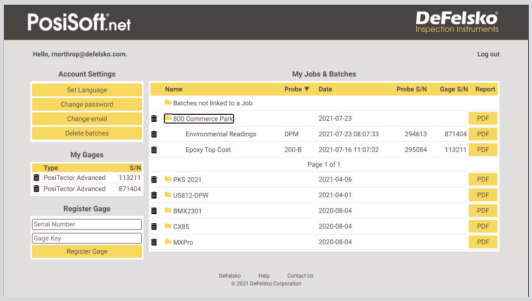
compatible with **PosiSoft Desktop and PosiTector App**

- 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.

DeFelsko® Inspection Instruments

Made in U.S.A.