

RTR

PosiTector® **RTR** *Replica Tape Reader*



Measures and records surface profile parameters using replica tape



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

Advanced model shown with RTR-P probe

DeFelsko®
The Measure of Quality



Available on the App Store



PosiTector® RTR Series

All Gages Feature...

Simple

- 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)

Durable

- Solvent, acid, oil, water and dust resistant—weatherproof
- Rugged indoor/outdoor instrument—ideal for field or shop use
- Shock-absorbing, protective rubber holster with belt clip

Accurate

- Produces a more accurate peak-to-valley height measurement (H_L) (see green inset below)
- Conforms to national and international standards

Versatile

- PosiTector body universally accepts all PosiTector probes easily converting from a replica tape reader to a coating thickness gage, dew point meter or ultrasonic wall thickness gage
- High Contrast reversible color LCD
- Selectable display languages and measurement units
- Uses alkaline or rechargeable batteries (built-in charger)

Powerful

- Continually displays average, standard deviation, min/max and number of readings
- Every stored measurement is date and time stamped
- USB port for fast, simple connection to a PC/Mac and to supply continuous power
- Stored readings and images can be accessed using universal PC/Mac web browsers or file explorers. No software required
- Includes PosiSoft suite of solutions for analyzing 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.



Probe Type	RTR-H	RTR-P
Standard	RTR H1	RTR P1
Advanced	RTR H3	RTR P3

Peak Height (H_L) Specifications

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

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

Select Standard or Advanced Features

Standard Models

Includes ALL features as shown on left plus...

- Storage of 250 readings which can be viewed or downloaded

Advanced Models

Includes ALL features as shown on left plus...

- Storage of 100,000 readings in up to 1,000 batches
- Real-time graphing, picture prompting and batch notes
- Onscreen Batch Annotation—add notes and change batch names
- WiFi technology wirelessly communicates with PosiSoft, downloads software updates and connects with mobile devices for expanded functionality
- Transfer data via USB to a PC/Mac or via Bluetooth® Wireless Technology to a PC or printer

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

NEW PosiTector SmartLink™ Compatible

- 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

Select from 2 probe styles

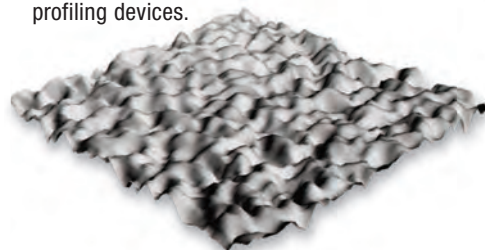
RTR-H

- Measures peak height (H_L)

RTR-P

A surface cleaned by abrasive blast is best described using two measured parameters: peak height and peak density.

- Measures peak height (H_L)
- Measures peak density (P_d)
- Generates images (Advanced model only)
 - black and white two dimensional (2D) and color three dimensional (3D) thumbnail images. Ideal for inclusion into reports and confirming consistent blasting results.
 - a high resolution SDF (surface data file) that can be imported into third-party rendering software. The result is a 3D map of the blasted steel surface at a cost far less than confocal or interferometric profiling devices.



Standard model with RTR-H probe

ALL GAGES COME COMPLETE with stainless steel burnishing tool, 5 cleaning cards, check shim(s), surface cleaning putty, protective rubber holster with 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 PTB, USB cable, two year warranty on body and probe.

DeFelsko
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Made in U.S.A.

PosiSoft® Suite of Software

3 FREE ways to view and report your data

PosiSoft Desktop Software (v 4)

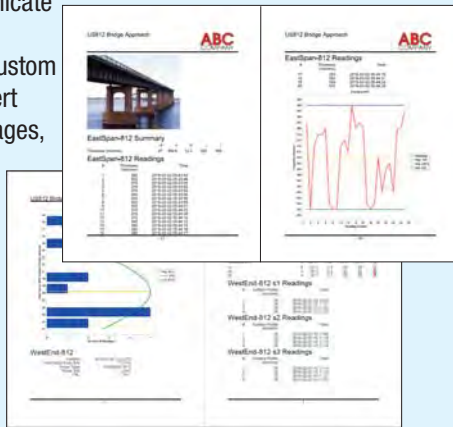
Powerful desktop software (PC/Mac) for downloading, viewing, printing and storing measurement data. Includes customizable, templated PDF Report Generator. No internet connection required.

- Import readings directly from the gage via USB
- **Jobs** feature consolidates and organizes batches and reports
- Export all data, settings and templates for backup and sharing



Generate Custom, Professional PDF Reports

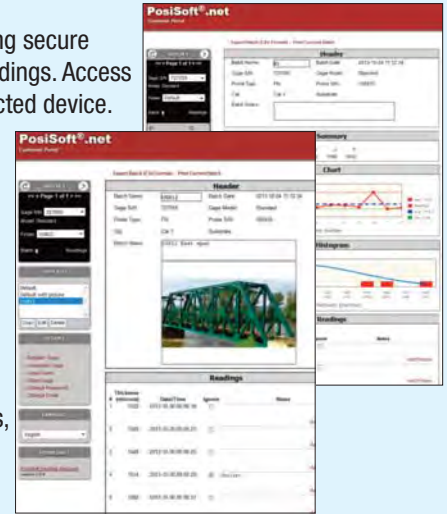
- Include inspection information such as on-site pictures, screen captures, notes and more to communicate important details
- Create and save multiple custom layouts as templates – insert cover pages, add logos/images, and select font and point size
- Select the information to include for each product type – charts, histograms, readings, time stamps and more
- Compile multi-batch reports from one or more instrument types



PosiSoft.net

A web-based application offering secure centralized management of readings. Access your data from any web-connected device.

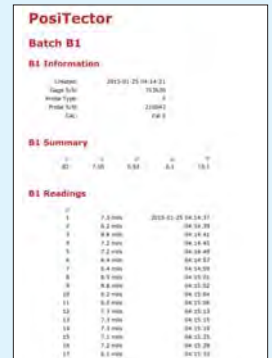
- Synchronize measurement data when connected via USB, Bluetooth or WiFi wireless technology
- Securely store measurement data in the cloud and share with authorized users via a secure login
- Generate reports with graphs, annotations and images



PosiSoft USB Drive

A simple interface to retrieve data from your gage in a manner similar to a USB flash drive. No software required.

- Measurement data can be printed quickly from an HTML report or exported in .CSV format for further analysis in Excel



Learn more at www.DeFelsko.com/PosiSoft

	PosiSoft Desktop	PosiSoft.net	PosiSoft USB Drive
Generate basic, pre-formatted reports	◆	◆	◆
Generate professional PDF reports with custom formatting. Add pictures, logos, screen captures, notes and more.	◆	◆	
Export to .CSV (comma separated values)	◆	◆	◆
View and print readings stored on a PosiTector/PosiTest AT-A	◆	◆	◆
Add photos and notes to reading data	◆	◆	
Software installation required	◆		
Internet connection required		◆	
Default download location for batches and readings	Hard Drive	Cloud	Gage
Multi-language support: English, Spanish, German, French, Chinese and Korean	◆	◆	◆*
PC/Mac compatible	◆	◆	◆
FREE	◆	◆	◆
Compatible with all current PosiTector 6000/200/SPG/RTR/DPM/UTG and PosiTest AT series	◆	◆	◆†

*PosiSoft USB Drive supports all 15 languages supported by the PosiTector gage. † PosiTest AT-M is not supported by PosiTector USB Drive