

Order Code	Description
RTRH1	PosiTector Standard with RTR H Probe
RTRH3	PosiTector Advanced with RTR H Probe

PosiTector® RTR Replica Tape Reader	Compare PosiTector Gage Bodies	
Features	Standard	Advanced
High contrast, reversible color LCD with backlit display	•	•
Measure Peak Height (H _p)	•	•
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	250 per probe	100,000 in up to 1,000 batches
Onscreen Batch Annotation — Add notes, change batch names and more with built-in QWERTY keyboard		•
Real time graphing, picture prompting and batch notes		•
Connection Options		
Sealed USB port for fast, simple connection to a PC and to supply continuous power. USB cable included.	•	•
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.		•
WiFi technology wirelessly synchronizes with PosiSoft.net and downloads software updates		•



PosiTector RTRH1



Removeable Integral Probe	Probe Model RTR H	
	Peak Height (H_p) Measurement Range:	20 - 115 μm 0.8 - 4.5 mils
	Peak Height (H_p) Accuracy:	± 5 μm (± 0.2 mils)
	Peak Height (H_p) Resolution:	1 μm (0.2 mils)
	Anvil Diameter:	Ø6.3 mm (Ø0.25 inch)
	Anvil Pressure:	110 gram-force (1.1 Newtons)

The PosiTector RTR H is a digital spring micrometer that measures and records surface profile parameters on blasted steel and textured coatings using Testex Press-O-Film™ replica tape.

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

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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 more information about linearized peak height (HL) at www.defelsko.com/rtr.
- Enhanced one-handed menu navigation
- RESET feature instantly restores factory settings

Accurate

- Produces a more accurate peak-to-valley height measurement. See linearized peak height (HL) at www.defelsko.com/positector-rtr.
- Certificate of Calibration showing traceability to PTB included (Long Form)
- Conforms to national and international standards including ISO 8503-5, ASTM D4417 Method C, NACE RP0287 and SSPC-PA17

Versatile

- Mills/Microns switchable
- Selectable display languages
- High contrast LCD with backlit display
- Flip display enables right-side-up viewing
- Uses alkaline or rechargeable batteries (built-in charger)

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
- Two year warranty on gage body AND probe

Powerful

- Statistics Mode continually displays/updates average, standard deviation, min/max depth and number of readings while measuring
- Screen Capture — Save screen images for record keeping and review
- HiLo alarm audibly and visibly alerts when measurements exceed user-specified limits
- Sealed USB port for fast, simple connection to a PC and to supply continuous power. USB cable included.
- Software updates via web keep your gage current
- Every stored measurement is date and time stamped
- Software Solutions for viewing, analyzing & reporting data. See page 3 for a complete overview of these options.



Comes complete with PosiTector gage body, RTR H probe, 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, PosiSoft Software, two (2) year warranty on body and probe.

SIZE: 137 x 61 x 28 mm (5.4" x 2.4" x 1.1")

BODY WEIGHT: 140 g (4.9 oz.) without batteries

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

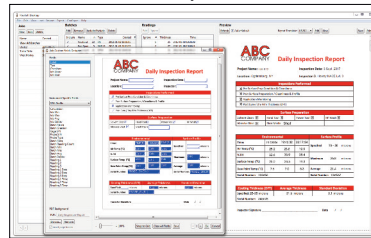
PosiSoft® Suite of Software

Four FREE and unique ways to view and report your PosiTector and PosiTest data

PosiSoft Desktop — PC/Mac

Powerful desktop software for downloading, viewing, printing and archiving measurement data. No internet connection required.

- Import readings directly from the gage via USB or from legacy PosiSoft desktop versions
- Synchronize measurement data including readings, notes and pictures to and from PosiSoft.net
- Import/Export Templates and Jobs to share with other users
- Import PDF forms and overlay **Custom Fields** for automatic population of inspection and measurement data
- Report preview automatically refreshes as changes are made



Prompted Batch Mode

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

- Ideal for ensuring a consistent measurement pattern for repetitive jobs or when specific measurement locations are required
- Create and store multiple templates for different jobs



PosiTector App — Mobile

Mobile app connects PosiTector Advanced instruments, the PosiTector SmartLink and the PosiTest AT-A to your iOS or Android smart device.

- Auto pairing Bluetooth BLE connection
- Automatically generate user-formatted reports and share via email, text, cloud storage services like Dropbox, and more
- Export readings to PosiSoft Desktop or synchronize readings to and from PosiSoft.net for further reporting and archival options

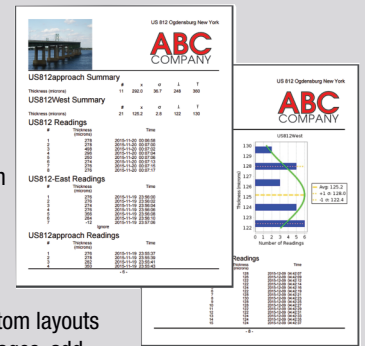


PosiSoft Custom PDF Report Generator

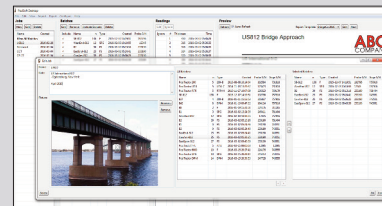
Easily create reports from your measurement data in seconds.

featured on
PosiSoft Desktop
PosiSoft.net
PosiTector App

- 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 probes and instrument types
- Export readings as comma separated value (.CSV) files which can easily be imported into Excel and other supporting applications



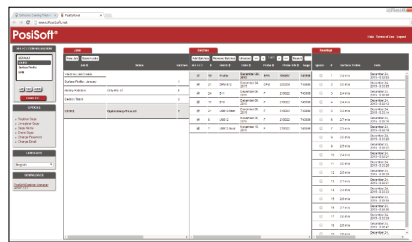
Jobs feature consolidates batches into groups to keep measurement data organized and to quickly create multi-batch reports (not available on PosiTector App)



PosiSoft.net — Web-based

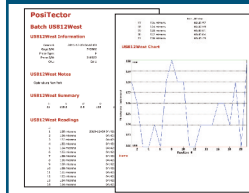
A web-based application offering secure centralized management of readings. Access your data from any web-connected device.

- Synchronize data when connected via USB or WiFi
- Synchronize measurement data including readings, notes and pictures with PosiSoft Desktop and PosiTector App
- Securely store measurement data in the cloud and share with authorized users via a secure login



Jobs Batches Readings

PosiSoft USB Drive — Gage Based



A simple gage 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.

- View and print readings and graphs using universal PC/Mac web browsers and file explorers
- Measurement data can be printed quickly from a formatted HTML report or exported in .CSV format for further analysis in spreadsheets
- Simple file management - Copy and paste measurement data from the PosiTector to a local folder on your computer, network folder or cloud drive
- Access stored screen captures (snapshots) of the PosiTector display

PosiTector and PosiTest AT-A instruments can integrate with third-party software, drones, ROVs, PLCs, and robotic devices using several industry-standard communication protocols.



PosiTector Developer Resources
including Bluetooth 4.0, WiFi,
USB Keyboard, and USB Serial

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