

# RTR

# PosiTector<sup>®</sup> 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<sup>®</sup>**  
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)

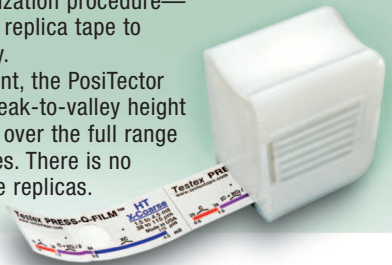
### Powerful

- 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](http://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

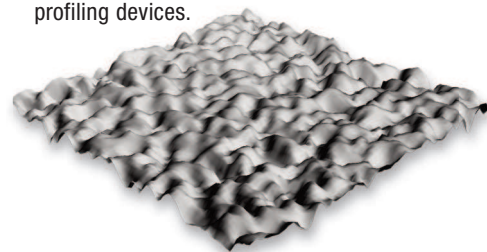
### RTR-H

- 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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