

# PosiTector<sup>®</sup> **RTR** *Replica Tape Reader*



Measures and records surface profile parameters using replica tape



For use with Testex<sup>™</sup> Press-0-Film<sup>™</sup> Replica Tape

**DeFelsko**<sup>®</sup>  
The Measure of Quality

PosiTector<sup>®</sup>  
**SmartLink**  
Compatible

 **Bluetooth**<sup>®</sup>

  
WiFi

Available on the  
**App Store**



# PosiTector® RTR

## All Gages Feature...

### Simple

- Measures peak height ( $H_L$ )
- Automatically subtracts the 50.8  $\mu\text{m}$  (2 mil) incompressible film from all readings
- Minimizes inspector workload by reducing the number of replicas needed to ensure accuracy (see green inset below)
- Enhanced one-handed menu navigation
- RESET feature instantly restores factory settings

### 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

### 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, 6000, 200, SPG, DPM, SST, SHD and UTG probes easily converting from a surface profile gage to a coating thickness gage, dew point meter, soluble salt tester, Shore hardness durometer or ultrasonic wall thickness gage
- Selectable display languages
- High contrast LCD with backlit display
- Flip Display enables right-side-up viewing
- Uses alkaline or rechargeable batteries (built-in charger)

### Powerful

- Continually displays/updates average, standard deviation, min/max height and number of readings while measuring
- Screen Capture—save screen images for record keeping and review
- Sealed 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  $\mu\text{m}$  (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...

- Storage of 250 readings per probe—stored readings can be viewed or downloaded

### Advanced Models

Includes ALL features as shown on left plus...

- Storage of 100,000 readings from multiple probes in up to 1,000 batches
- Live graphing of measurement data
- 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.
- Onscreen Batch Annotation—add notes, change batch names and more with built-in QWERTY keyboard

For a complete comparison of the Standard and Advanced features visit [www.defelsko.com/rtr](http://www.defelsko.com/rtr)

### PosiTector SmartLink™ Compatible

- Wirelessly connect PosiTector RTR 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 **NEW PosiTector RTR 3D** visit [www.defelsko.com/RTR3D](http://www.defelsko.com/RTR3D)

### Peak Height ( $H_L$ ) Specifications

Range	20–115 $\mu\text{m}$ (0.8–4.5 mils)
Accuracy	$\pm 5 \mu\text{m}$ ( $\pm 0.2$ mils)
Resolution	1 $\mu\text{m}$ (0.1 mil)

**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, 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.