

PosiTector® **RTRH** Replica Tape Reader

Measures and records surface profile parameters using replica tape



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



DeFelsko®
The Measure of Quality



Available on the
App Store



PosiTector®
SmartLink
Compatible



PosiTector® RTRH

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 R_a , R_z , S_q , S_{pd} 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	$\pm 5 \mu\text{m}$ (± 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.