PosiTector® *IRT*

Infrared Thermometer

Non-contact surface temperature measurement

IP65

PosiTector®

ε=0.95

21.7 ↓

°C

IRT
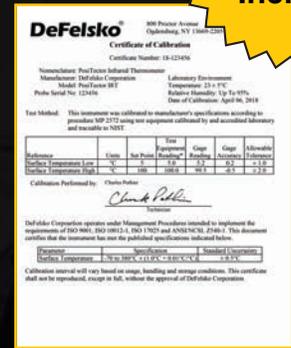
Award Winning Compatibility!

- Coating Thickness
- Surface Profile
- Environmental Conditions
- Hardness
- Salt Contamination
- Ultrasonic Wall Thickness

Add the PosiTector IRT probe to enhance any PosiTector Inspection Kit

DeFelsko®
The Measure of Quality

Available on the App Store

WiFi

❋ Bluetooth®

PosiTector® IRT
Infrared Thermometer

All Gages Feature...

Simple
- Surface temperature is constantly updated and displayed simultaneously
- Button activated laser pointer for simple, accurate targeting
- *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
- *NEW* Ergonomic design with durable rubberized grip
- Non-contact sensor won't get caught or worn
- Shock-absorbing protective rubber holster for added impact resistance
- Two year warranty on gage body AND probe

Accurate
- Certificate of Calibration showing traceability to NIST included (Long Form)
- Fast response precision sensor provides accurate, repeatable readings
- 5.7:1 distance to spot ratio—ideal for measuring large areas
- Smart Trend™ indicators identify rising, falling, or stable readings

Versatile
- PosiTector body accepts all PosiTector IRT, DPM, 6000, 200, RTR, SPG, SST, SHD, BHI, and UTG probes easily converting from an infrared thermometer to a coating thickness gage, dew point meter, surface profile gage, soluble salt tester, hardness tester, or ultrasonic wall thickness gage
- Selectable emissivity values—choose from 7 preset material options, set a custom emissivity value, or adjust to a known temperature
- *NEW* Auto rotating display with Flip Lock

Powerful
- Scanning Statistics Mode—continually displays/updates average, standard deviation, min/max surface temperature and number of readings while measuring one reading per second
- *NEW* Screen Capture—save 100 screen images for record keeping and review
- Pause function allows readings to be manually recorded
- HiLo alarm audibly and visibly alerts when readings exceed user-specified limits
- *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

Two Powerful Modes
to quickly analyze large areas
- *Scanning Statistics Mode* records one reading per second
- *HiLo Alarm* compares results to user-specified limits and alerts the user when readings exceed these limits

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
- Trend Charts graph readings in real-time
- *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.
- Store thickness, profile, environmental, salt contamination, hardness, and wall thickness measurements in individual batches

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

Specifications	Range	Accuracy	Resolution
Temperature Range	−70˚ to 380˚ C	± 1.0˚ C + 1%*	0.1˚ C
	−94˚ to 716˚ F	± 1.8˚ F + 1%*	0.1˚ F

*At 23˚ C (73.4˚ F) ambient

Laser Pointer	Class 2 < 1mW
Distance to Spot Ratio (D:S)	5.7:1
Emissivity	Adjustable
Response Time	<500 ms (95% response)
Spectral Response	2 - 14 µm

ALL GAGES COME COMPLETE with IR temperature probe, protective rubber holster, wrist strap, 3 AAA batteries, instructions, nylon carrying case with shoulder strap, protective lens shield, Long Form Certificate of Calibration traceable to NIST, USB cable, two year warranty.

*Size: 127 x 66 x 25.4 mm (5" x 2.6" x 1")
*Weight: 137 g (4.9 oz.) without batteries

* Size and weight are for the PosiTector gage body only and do not include the probe.

Ordering Guide	
Standard gage body and probe	IRT1
Advanced gage body and probe	IRT3
Probe Only	PRBIRT

LASER LIGHT DO NOT STARE INTO BEAM
Class 2 laser product
652 nm < 1mW CW
EN/IEC 60825-1-2014 (2007 USA)

DeFelsko®
Inspection Instruments

Made in U.S.A.

PosiSoft® Suite of Software

Powerful ways to view and report your PosiTector and PosiTest data

### PosiSoft Desktop — PC/Mac

Powerful desktop software for downloading, archiving, and reporting measurement data.

- Import readings directly from the gage via USB, WiFi, or legacy PosiSoft Desktop versions
- **Jobs feature** consolidates batches into groups to keep measurement data organized and to quickly create multi-batch reports
- Fully integrates with PosiSoft.net— backup and synchronize jobs, batches, readings, and report templates to the cloud (see inset at right)
- Export readings as .csv (comma separated value) files for easy import into Excel and other spreadsheets
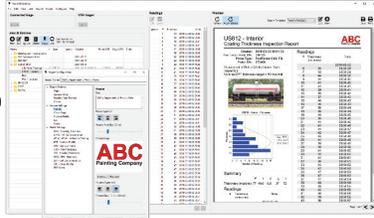
Professional, Custom Reports

- Compile single or multi-batch reports from multiple probes and instrument types
- Add pictures, screen captures, notes, and more with an onscreen live preview
- Instantly create professional reports from pre-formatted report templates
- Design custom layouts and templates—add custom cover pages and logos, and choose to display charts, histograms, and/or individual readings
- Drag-and-drop Custom Fields mode—import PDF forms and overlay fields to automatically populate inspection data
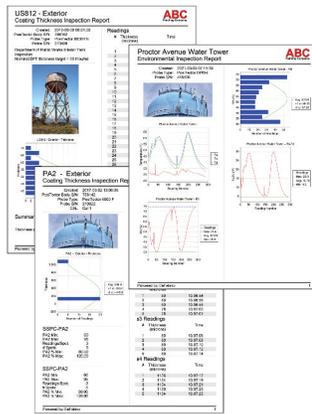
Prompted Batch Mode

Create pre-defined batches with onscreen text and image prompts for each reading and upload to PosiTector 6000, 200, and UTG gages (*Advanced models only*).

- Ideal for ensuring a consistent measurement pattern for repetitive jobs or when specific measurement locations are required

PosiSoft USB Drive — Gage based
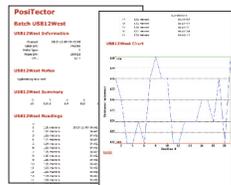
A simple gage interface to retrieve data in a manner similar to USB flash drives or cameras. No software to install or internet connection required. Measurement data can be printed quickly from a formatted HTML report or exported in .csv format for further analysis in spreadsheets.

PosiTector App — iOS/Android

Fully-featured mobile app that connects to the PosiTector SmartLink, PosiTector Advanced gages, and the PosiTest AT-A.

- Auto pairing Bluetooth BLE connection
- Add images and notes to individual readings or batches directly from your device
- Email readings as .csv (comma separated value) files for easy import to Excel and other spreadsheets.
- Synchronize readings with PosiSoft.net— backup and synchronize jobs, batches, and readings to the cloud (see inset below)

Mobile Reporting Solution

- Compile single or multi-batch reports from multiple probes and instrument types
- Add pictures, screen captures, notes, and more
- Email pre-formatted or custom reports from your device instantly

PosiSoft.net

Secure storage of measurement data in the cloud.

compatible with **PosiSoft Desktop and PosiTector App**

- Upload measurement data directly from WiFi-connected PosiTector Advanced gages from anywhere in the world—no software required
- Synchronize and share measurement data across multiple computers

  Ideal for…
  - Users with multiple computers, instruments, and office locations
  - Inspection companies managing data from multiple inspectors

- Login from PosiSoft Desktop to synchronize all measurement data and stored report templates from your account
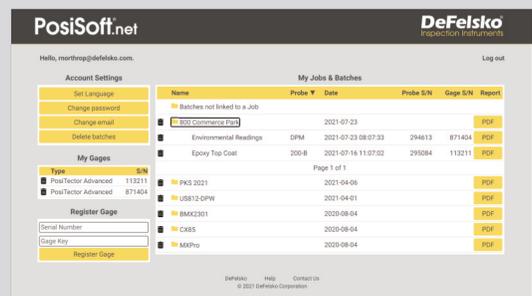
PosiSoft.net Web Viewer Review measurement data and print simple, pre-formatted PDF reports from any web browser—no software installation required.

PosiTector Developer Resources

- Bluetooth 4.0
- WiFi
- Keyboard Mode
- USB Serial

PosiTector and PosiTest AT-A instruments can integrate with third-party software, drones, ROVs, PLCs, and robotic devices using several industry-standard communication protocols including: Bluetooth 4.0, WiFi, Keyboard mode, and USB serial.

DeFelsko®
Inspection Instruments

Made in U.S.A.