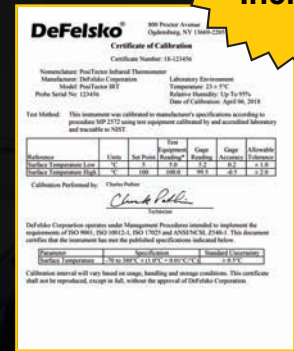


# PosiTensor<sup>®</sup> *IRT* Infrared Thermometer

Non-contact surface temperature measurement



**FREE  
Certificate  
of Calibration  
Included**



### Award Winning Compatibility!

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



Add the PosiTensor IRT probe to  
enhance any PosiTensor Inspection Kit

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



Available on the  
App Store



**Bluetooth<sup>®</sup>**

# PosiTector<sup>®</sup> 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<sup>®</sup> 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](http://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)

