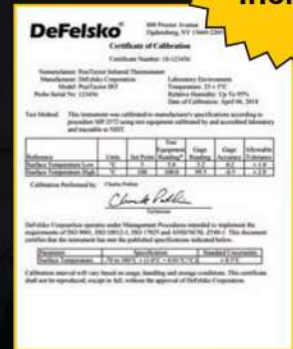


# PosiTector<sup>®</sup> IRT Infrared Thermometer

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 PosiTector IRT probe to enhance any PosiTector 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)

