PosiTector® *IRT*
Infrared Thermometer

Non-contact surface temperature measurement

ε=0.95

21.7 ↓

°C
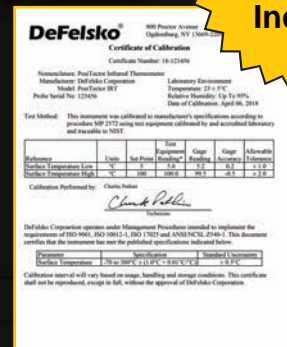
Award Winning Compatibility!

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

Add the new PosiTector IRT probe to enhance any PosiTector Inspection Kit

DeFelsko®
The Measure of Quality

Available on the App Store

WiFi

1.800.561.8187   www.itm.com   information@itm.com

PosiTector® *IRT*
Infrared Thermometer

All Gages Feature...

Simple
- Surface temperature is constantly updated and displayed simultaneously
- Button activated laser pointer for simple, accurate targeting
- Enhanced one-handed menu navigation
- RESET feature instantly restores factory settings

Durable
- Solvent, acid, oil, water and dust resistant—weatherproof
- Non-contact sensor won't get caught or worn
- Shock-absorbing, protective rubber holster with belt clip
- Two year warranty on 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 and UTG probes easily converting from an infrared thermometer, to a dew point meter, coating thickness gage, surface profile gage, soluble salt tester, Shore hardness durometer 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
- High contrast LCD with backlit display
- Auto rotating display with lock to prevent unintended rotations
- Uses alkaline or rechargeable batteries (built-in charger)

Powerful
- Scanning Statistics Mode —continually displays/updates average, standard deviation, min/max surface temperature and number of readings while measuring one reading per second
- Screen Capture—save 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
- 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 solutions for analyzing 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

Scanning Statisitics Mode   *HiLo Alarm*

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

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

*At 23˚ C ambient

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

ALL GAGES COME COMPLETE with IR temperature probe, protective rubber holster with belt clip, 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: 137 x 61 x 31 mm (5.4" x 2.4" x 1.1")
WEIGHT: 140 g (4.9 oz.) without batteries

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)