

# Testo 870 Series Thermal Imagers

Point. Shoot. Done.



Offers sharp, crisp, detailed, commercial quality images every time, right out of the box with the widest lens (34° x 26°) available.

Stack this up with the easy 1-button control and you have a technologically advanced, well thought-out thermal imaging solution for Commercial Contractors, Facility Managers and Energy Auditors.

The Testo 870 balances features and performance in an easy-to-use small, compact design.

## Features

- Sharp, crisp images every time
- Easy 1-Button control
- Widest lens available



*Upgrade Option*

*Meets all RESNET® Standards*

# Testo Thermal Imagers

Testo 870 Series	
Model	870-1   870-2
Catalog Number	0560 8701   0560 8702
Warranty	2 years
Detector type	160 x 120 FPA Uncooled Microbolometer
Pixels	19,200
<i>SuperResolution (4x pixel upgrade)</i>	320 x 240 - Optional
<i>SuperResolution Pixels</i>	76,800
Thermal sensitivity	100 mK
<b>NIST Certification</b>	Optional
Visual Camera	NA   Yes 3.1 MP
Standard Lens	34° x 26° / 19 inches
Telephoto Lens 9" x 7" / 20" Min. focus	NA
Telephoto Lens 11" x 9" / 19" Min. focus	NA
Telephoto Lens 15" x 11" / 19" Min. focus	NA
Video output Via USB	NA
<i>Radiometric Video / Process Analysis</i>	NA
<i>Lens Protection Glass</i>	NA
<i>IRSoft Analysis &amp; Report software</i>	Included
Image refresh rate	9 Hz
Focus mode	Optimized Focus Free
Image modes	IR Image, Image Gallery   IR Image, Visual Image, Image Gallery
Spectral range	8 to 14 μm
Image display	3.5" LCD 320 x 240 pixels
Menu Operation	1 button joystick
Digital Zoom	NA
Rotating Display	NA
Rotating Handle	NA
Power LED Lights	NA
TwinPix ( Visual & IR Image Blending)	Yes ( with integrated camera option or import visual images into IRSoft from any camera source or smart phone)
<i>Panoramic Assistant</i>	NA
<i>Site Recognition (Barcode &amp; Database Solution)</i>	NA
Temperature range	536°F
Extended High Temperature Range	NA
Accuracy	±2% of reading
Emissivity Correction	0.01 to 1.0
<i>Atmosphere Correction (Reflected Temperature)</i>	NA
Measurement modes	Center Spot, Auto Hot / Cold
Color palettes	4 (Iron, rainbow hc, blue-red, grey)
Voice Annotation ( 30 Sec. per image)	NA
Isotherm Function	NA
ISO Certification	Optional
<i>Solar mode (Solar Intensity Values)</i>	NA
<i>Surface Moisture distribution</i>	NA
Humidity measurement with Radio Probe	NA
File format	.bmt & .jpeg Export formats- bmp, jpg, cvs, png, xls
Storage device	Internal 1.6 GB
Battery type	Li-ion - 4+ hour run time
<i>Additional Battery</i>	Optional
Battery Charging	Internal
External Rapid Charger	Optional
Operating temperature range	5°F to 122°F
Storage Range (IEC 60529)	-22°F to 140°F
Vibration (IEC 60068-2-6)	2G
Weight	1.2 lbs
Dimensions (L x W x H) in inches	8.8 x 3.7 x 3.7
Imager protection Class	IP 54
Hard travel case	NA   Yes
Tripod mounting	NA
Housing	ABS Plastic
Software System requirements	Windows 8, XP(SP2), Vista, 7 and USB 2.0 Port

k.n  
Information subject to change without notice.

## Ordering Information

testo 870 Thermal Imager includes:  
USB cable, IRSoft software, power supply, battery,  
instruction manual and Certificate of Conformity. The  
testo 870-2 includes a hard shell storage case.