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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.

SUPER RESOLUTION 4x MORE PIXELS

Upgrade Option

Features

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

Meets all RESNET® Standards

Testo Inc. 800-227-0729 info@testo.com www.testo.com

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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	
SuperResolution (4x pixel upgrade)	320 x 240 - Optional	
SuperResolution Pixels	76,800	
Thermal sensitivity	100 mK	
NIST Certification	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	
Radiometric Video / Process Analysis	NA	
Lens Protection Glass	NA	
IRSoft Analysis & Report software	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)	
Panoramic Assistant	NA	
Site Recognition (Barcode & Database Solution)	NA	
Temperature range	536°F	
Extended High Temperature Range	NA	
Accuracy	±2% of reading	
Emissivity Correction	0.01 to 1.0	
Atmosphere Correction (Reflected Temperature)	NA	
Measurment 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	
Solar mode (Solar Intensity Values)	NA	
Surface Moisture distribution	NA	
Humidity measurement with Radio Probe	NA	
File format	.bmt & .jpeg Export formats- bmp, jpg, cvs, png, xls	
Storage device	Intenal 1.6 GB	
Battery type	Li-ion - 4+ hour run time	
Additional Battery	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	

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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.

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