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 Thermal Imagers

Product data	testo 870-1	testo 870-2
Ordering number	**0560 8701**	**0560 8702**
Image output - Infrared		
Infrared resolution	160 x 120 pixels	
Pixel resolution	19,200	
Thermal sensitivity (NETD)	<100 mK at 86°F	
Digital camera	NA	Yes 3.1 MP
Field of view	34° x 26°	
Optimized fixed focus	19 inches to ∞	
Geometric resolution (IFOV)	3.68 mrad	
SuperResolution - Optional Upgrade	320 x 240	
SuperResolution Pixels	76,800	
Image refresh rate	9 Hz	
Spectral range	7.5 ... 14 µm	
Image presentation		
Image display	3.5" LCD with 320 x 240 pixels	
Display options	IR image	IR image / real image
Fullscreen mode	Yes	
Video output	USB 2.0	
Color palettes	4 (Iron, rainbow hc, blue-red, grey)	
Measurement		
Temperature range	-4° to 536° F or -20° to 280° C	
Accuracy	+/-2% of reading	
Emissivity	0 to 1	
RTC (reflected temperature compensation)	Manual input	
Measuring functions		
Analysis functions	Center point, Hot-/Cold-Spot-recognition	
Image storage		
File format - standard	.bmt and .jpg	
IR - JPEG in camera	Yes	
File format export	.bmp, .jpg, .png, .csv, .xls	
Storage device	internal memory (1.6 GB / > 2.000 pictures)	
Power supply		
Battery type	fast-charging, Li-ion battery can be changed on-site	
Operating time	4 hours	
Charging options	in instrument / in charger (optional)	
Ambient conditions		
Operating temperature range	5°F to 122°F	
Storage temperature range	-22° F to 140°F	
Air humidity	20 % ... 80 % non-condensing	
Housing protection class (IEC 60529)	IP 54	
Vibration (IEC 60068-2-6)	2G	
Physical features		
Weight	1.2 lbs. / 550 g	
Dimensions (L x W x H) in mm	219 x 96 x 95	
Housing	PC - ABS	
PC software		
System requirements	Windows XP (Service Pack 3), Windows Vista, Windows 7. Windows 8 Interface: USB 2.0	
Standards, tests, warranty		
EU Directive	2004 / 108 / EG	
Warranty	2 years	

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.