

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

| 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.

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