



testo 881 Thermal Imager Preventive & Predictive Maintenance

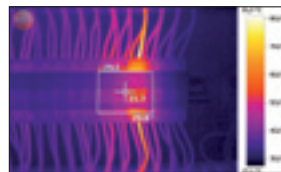


The testo 881 thermal imaging camera can quickly and accurately discover thermal anomalies and weak spots in industrial plants and manufacturing facilities. Used regularly as a predictive maintenance and monitoring tool, it can save you thousands of dollars by safely pinpointing potential problems and avoiding costly downtimes and repairs.

Meets BPI/RESNET Infrared Imaging System Performance Standards requirements for thermal imagers



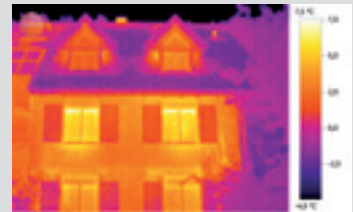
Unique TwinPix software blends both the thermal and visual images together into one image



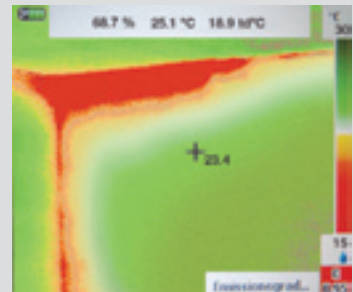
Features

- 32° x 23° field of view scans a large area quickly
- High thermal sensitivity (1 °F)
- Intuitive menu with 5 way joystick control
- Fast refresh rate
- Integrated camera captures thermal and visual images simultaneously
- TwinPix software technology blends thermal and visual image together

APPLICATIONS



Examine building envelopes with the highest accuracy



Identify potential moisture areas



Pinpoint energy loss from poor insulation



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Technical Data

Detector type	FPA 160 x 120 pixels, a.Si
Thermal sensitivity (NETD)	< 50 mK at +30 °C(86°F)
Field of view/min. focus distance	32° x 23° / 4" (standard lens), 9° x 7° / 20" (telephoto lens)
Geometric resolution (IFOV)	3.3 mrad (standard lens), 1.0 mrad (telephoto lens)
Image refresh rate	33 Hz
Focus	manual and motor focus
Spectral range	8 to 14 µm
Optical field/min. focus distance	33° x 25° / 0.4 m
Image size	640 x 480 pixels
Image display	3.5" LCD with 320 x 240 pixels
Display options	IR and digital image
Video output	USB 2.0
Color palettes	9 options (ironbow, rainbow, cold/hot, blue/red, grayscale, inverted grey, sepia, testo, ironbow HT)
Temperature range	-4 to 212 °F (-20 °C to +100 °C)
High temperature measurement (optional)	+662 °F to 1022 °F (881-2 only)
Accuracy	±2 °C, ±2 % of rdg, (-4 °F to +536 °F) ± 3% of reading (+662 °F to 1022 °F)
Minimum diameter measurement point	0.4" at 3 ft. (standard lens), 0.12" at 3 ft. (telephoto lens)
Setting emissivity	0.01 to 1
File format	.bmt; export options in .bmp, .jpg, .csv
Data storage device	2 GB SD card (approx. 1000 images)
Battery type	Fast-charging, Li-ion battery
Operating time	4 hours
Operating temperature range	5 °F to +104 °F
Storage temperature range	-22 °F to +140 °F
Protection class of housing	IP54
Weight	approx. 2 lbs
Dimensions (L x W x H)	6" x 4.2" x 10.3"
Tripod mounting	Yes
Housing	ABS
PC Software	
System requirements	Windows XP, Windows Vista, USB 2.0 interface, Windows 7
Warranty	2 years

Accessories

Aluminum tripod	0554 8804
Protective lens	0554 8805
Additional battery	0554 8802
Two bay charger	0554 8801
Display Sun Shield	0554 8806
Emissivity adhesive tape heatproof up to +572 °F	0554 0051
Soft-Case with shoulder strap	0554 8814

Ordering Information

881-2 Thermal Imager Kit

thermal imager kit with integrated digital camera and protective lens

Part no. 0563 0881 75

881-2 Deluxe Thermal Imager Kit

with integrated digital camera, telephoto lens protective lens, 2 bay battery charger, spare battery, and protective sunshield w/ shoulder strap

Part no. 0563 0881 76

Note: All imager kits include hard shell case, SD card, USB cable, software, power supply and tripod mounting plate.

Distributor: