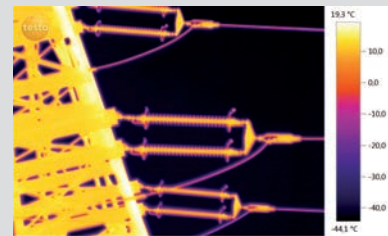We measure it. **testo**

Testo 890 Thermal Imager
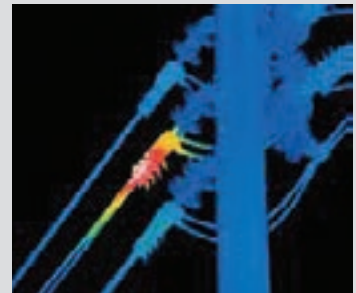## Highest resolution available, large display

VERSATILITY

640 x 480 array and
large touch screen

Distance imaging

Distance imaging

Highest available resolution and simple to use

The new Testo 890 thermal imager has many of the features you look for in a simple, easy to use thermal imager. The 890 has the largest available array of any testo camera. Add this to the exclusive Super-Resolution functionality and you can capture images up to 1280 x 960 pixels. This is the imager that finally has it all, high quality imaging with a comfort grip, well balanced for one hand operation and superior application versatility due to the large image array and interchangeable lenses.

Features

- **640 x 480 detector resolution**
- **SuperResolution option**
- **Megapixel option**
- **Radiometric video**
- **High temperature option**
- **IRSoft software - included**
- **SiteRecognition technology**
- **Long life Li-ion battery**
- **42° lens standard**

Interchangeable lenses

Testo 890 Thermal Imager

Highest Image Quality: 640 x 480 pixels

Technical Data

	890-1	890-2
Infrared image output		
Detector type	FPA 640 x 480 pixels, a.Si	
Thermal sensitivity (NETD)	<40 mK at 86ºF	
Field of view / min. focus distance	42º x 32º / 4 in. (standard lens) 15º x 11º / 19.68 in. (telephoto lens)	
Geometric resolution (IFOV)	1.15 mrad (standard lens), 0.42 (telephoto lens)	
SuperResolution (Pixel / IFOV) - optional in testo IRSoft software	1,280 x 960 pixels / Radiometric 0.71 mrad (standard lens), 0.26 mrad (telephoto lens)	
Image refresh rate	33 Hz	
Focus	auto / manual	
Spectral range	8 to 14 µm	
Image output visual		
Image size / min. focus distance	3,1 MP / 19.68 in.	
Image presentation		
Image display	4.3" LCD touchscreen with 480 x 272 pixels	
Digital zoom	1x to 3x	
Digital options	IR / real image	
Video output	USB 2.0	
Color palettes	8 options (ironbow, rainbow, cold/hot, blue/red, grey scale, inverted grey, sepia, testo)	
Measurement		
Temperature range	-4 to 212ºF / 32ºF to 662ºF, (switchable)	
High temperature measurement - optional	not available	662ºF to 2192ºF
Accuracy	±3.6ºF, ±2% of reading	
Emissivity / reflected temperature	0.01 to 1 / manual	
Transmission correction (atmosphere)	standard	
Measuring functions		
Display of surface moisture distribution	not available	standard
Humidity measurement with radio humidity probe (automatic measurement value transfer in real time)	not available	optional
Solar mode	standard	
Analysis functions	up to 3 measurement points, Hot/Cold Spot Recognition, Area measurement (Min/Max & average), Isotherm and alarm values.	

	890-1	890-2
Imager equipment		
Digital camera with power LEDs	standard	
Standard lens	42º x 32º	
Interchangeable lens - optional	not available	15º x 11º
SiteRecognition (measurement site recognition with image management)	not available	standard
Panorama image assistant	standard	
Voice recording	not available	Blue tooth / wired headset
Video measurement (via USB)	up to 3 measurement points	
Fully radiometric video measurement incl. logger function (via USB)	not available	optional
Image storage		
File format single image	.bmt; export in .bmp, .jpg, .png, .csv, .xls	
File format video (via USB)	.wmv, .mpeg-1	.wmv, .mpeg-1 / Testo format (fully radiometric video)
Storage device	SD card 2GB	
Power supply		
Battery type	Fast-charging, Li-ion battery can be changed on-site	
Operating time	4.5 hours	
Charging options	In instrument / in charging station (optional)	
Power supply operation	Yes, with Part No. 0554 8808 (rapid charger)	
Ambient conditions		
Operating temperature range	5 to 122ºF	
Storage temperature range	-22 to 140ºF	
Air humidity	20% - 80% non-condensing	
Housing protection class (IEC 60529)	IP54	
Vibration (IEC 60068-2-6)	2G	
Physical specifications		
Weight	3.5 lbs.	
Dimensions (L x W x H)	9.9" x 5.1" x 4.3"	
Tripod mounting	Yes. 1/4" - 20UNC	
Housing	ABS	
PC software		
System requirements	Windows XP (Service Pack 3), Windows Vista, Windows 7, USB 2.0 interface.	
Standards, tests, warranty		
Warranty	2 years	

Ordering Information

890-1 Thermal Imager Kit: 0563 0890 71
Includes thermal imager, hard shell case, SD memory card, USB cable, software and power supply.

890-2 Thermal Imager Kit: 0563 0890 72
Includes thermal imager with site recognition feature, surface moisture display, voice recording Bluetooth headset, hard shell case, SD memory card, USB cable, software and power supply.

890-2 Deluxe Thermal Imager Kit: 0563 0890 73
ncludes thermal imager with site recognition feature, telephoto lens, lens protection glass, additional battery, rapid battery charger, surface moisture display, voice recording Bluetooth headset, hard shell case, SD memory card, USB cable, software and power supply.

Distributor:

TEquipment.NET
USA
An Interworld Highway, LLC Company

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