Testo 890 Series Thermal Imagers

Sensitivity, Resolution and Performance

The Best just keeps getting better. The 890 Series uses a flexibly designed platform that was designed and developed to your wishes, creating a thermal imager for practically any application. With 40 mK sensitivity, 42 ^{o} standard lens and megapixel resolution, this imager is extremely versatile in any inspection or research program.

With additional features like a 15 ^{o} telephoto lens to see objects far away, our Site Recognition barcode and database solution to keep track of results and ability to record Fully Radiometric Video for detailed frame by frame post analysis and trending, the 890 Series is an amazing imager.

SUPER RESOLUTION 4x MORE PIXELS

Features

- Large 4.3" TouchScreen
- Detector Resolution 640 x 480
    - SuperResolution 1280 x 960
- <40 mK NETD sensitivity
- 42° Standard Lens
- 15° Telephoto Lens
- High Temperature Option 219 2 ^{o}F
- Site-Recognition & Database

- Fully Radiometric Video Recording
- Atmospheric Corrections
- Solar Mode
- Isotherms
- Bluetooth Voice Annotation
- Lens Protection Glass
- Customizable Reporting Software

Testo Thermal Imagers

	Testo 890 Series		
Model	890-1	890-2	890-2 DLX
Catalog Number	0563 0890 71	0563 0890 72	0563 0890 73
Warranty	2 Years		
Detector type	640 x 480 FPA Uncooled Microbolometer		
Pixels	307,200		
SuperResolution (4x pixel upgrade)	1280 x 960 - Included		
SuperResolution Pixels	1,228,800 Megapixel		
Thermal sensitivity	40 mK		
NIST Certification	NIST Certification Included		
Visual Camera	Included (3.1mp)		
Standard Lens	42°x 32° / 3.9 Min. focus		
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	Optional	Included
Video output Via USB	Yes		
Radiometric Video / Process Analysis	NA	Full Radiometric Video Included	
Lens Protection Glass	Optional		Yes
IRSoft Analysis & Report software	Included		
Image refresh rate	33 Hz		
Focus mode	Manual / Auto		
Image modes	IR Image, Visual Image, Image Gallery		
Spectral range	8 to 14 µm		
Image display	4.3" LCD Touchscreen 480 x 272 pixels		
Menu Operation	1 button joystick or touchscreen interface		
Digital Zoom	1 X to 3 X		
Rotating Display	Yes		
Rotating Handle	Yes		
Power LED Lights	Yes		
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	Included		
Site Recognition (Barcode & Database Solution)	NA	Included	
Temperature range	662°F		
Extended High Temperature Range	NA	2192°F Optional	
Accuracy	±2% of reading		
Emissivity Correction	0.01 to 1.0		
Atmosphere Correction (Reflected Temperature)	Yes		
Measurment modes	Center Point, 3 measurement points, Auto Hot/Cold Spot Recognition, Area measurement (Min/Max & average)		
Color palettes	8 (iron, rainbow, cold-hot, blue-red, grey, inverted grey, sepia, testo)		
Voice Annotation (30 Sec. per image)	NA	Bluetooth Headset Included	
Isotherm Function	Yes		
ISO Certification	Optional		
Solar mode (Solar Intensity Values)	NA	Yes	
Surface Moisture distribution	NA	Yes	
Humidity measurement with Radio Probe	NA	Optional	
File format	.bmt Export formats- bmp, jpg, cvs, png, xls		
Storage device	2GB SD Card		
Battery type	Li-ion - 4+ hour run time		
Additional Battery	Optional		Included
Battery Charging	Internal		
External Rapid Charger	Optional		Included
Operating temperature range	5°F to 104°F		
Storage Range (IEC 60529)	-22°F to 140°F		
Vibration (IEC 60068-2-6)	2G		
Weight	3.5 lbs.		
Dimensions (L x W x H) in inches	10" x 5.0" x 4.3"		
Imager protection Class	IP 54		
Hard travel case	Yes		
Tripod mounting	Included		
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

All Thermal Imagers include the following: Hard shell storage case, 2 GB SD memory card, USB cable, IRSoft software, power supply, battery, instruction manual and Certificate of Conformity.