

## 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 ostandard lens and megapixel resolution, this imager is extremely versatile in any inspection or research program.

With additional features like a 15 ° 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</li>
- 42° Standard Lens
- 15° Telephoto Lens
- High Temperature Option 219 2 °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	
Varranty	0303 0830 71	2 Years	0303 0890 73	
Detector type	640 x	480 FPA Uncooled Microbol	ometer	
Pixels		307,200		
SuperResolution (4x pixel upgrade)		1280 x 960 - Included		
SuperResolution Pixels		1,228,800 Megapixel		
Thermal sensitivity		40 mK		
NIST Certification Visual Camera		NIST Certification Included 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 NA		
Telephoto Lens 15°x 11° / 19" Min. focus	NA	Optional	Included	
/ideo output Via USB	NA	Yes	c Video Included	
Radiometric Video / Process Analysis Lens Protection Glass		tional Full Kadlometri	Yes	
RSoft Analysis & Report software	Ор	Included	ies	
mage refresh rate		33 Hz		
Focus mode		Manual / Auto		
mage modes	IR I	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 butt	1 button joystick or touchscreen interface		
Digital Zoom		1 X to 3 X		
Rotating Display Rotating Handle	<del>-  </del>	Yes Yes		
Power LED Lights		Yes		
Panoramic Assistant Site Recognition (Barcode & Database Solution)	NA	Included Incl	uded	
Temperature range		662°F		
Extended High Temperature Range	NA		Optional	
Accuracy Emissivity Correction		±2% of reading 0.01 to 1.0		
Atmosphere Correction (Reflected Temperature)		Yes		
Measurment modes	Control Doint 3 mans	Center Point, 3 measurement points, Auto Hot/Cold Spot Recognition, Area measurement (Min/Max & average)		
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weasurment modes Color palettes	Area I	measurement (Min/Max & a n, rainbow, cold-hot, blue-re inverted grey, sepia, testo)	verage) d, grey,	
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Color palettes  Voice Annotation ( 30 Sec. per image)  sotherm Function  SO Certification	Area i	n, rainbow, cold-hot, blue-re inverted grey, sepla, testo)  Bluetooth He Yes Optional	d, grey,	
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Color palettes  Voice Annotation ( 30 Sec. per image) sotherm Function  SO Certification older mode (Solar Intensity Values) urface Moisture distribution Humidity measurement with Radio Probe File format	Area   8 (iro	n, rainbow, cold-hot, blue-re inverted grey, sepia, testo)  Bluetooth He Yes Optional  Y	d, grey, adset included es es	
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Color palettes  Voice Annotation ( 30 Sec. per image) sotherm Function SO Certification olar mode (Solar Intensity Values) urface Moisture distribution Humidity measurement with Radio Probe File format Storage device Battery type additional Bottery	8 (iro  NA  NA  NA  NA  NA  NA  NA  NA  NA  N	n, rainbow, cold-hot, blue-re inverted grey, sepia, testo)  Bluetooth He Yes Optional  Y Y Y Coptional  Export formats- bmp, jpg, co 2GB 5D Card Li-ion - 4+hour run time Utional	d, grey, adset included es es	
Color palettes  Voice Annotation ( 30 Sec. per image)  sotherm Function  So Certification  olar mode (Solar Intensity Values)  urforce Moisture distribution  rlumidity measurement with Radio Probe  File format  Storage device  Sattery type  Additional Battery  Battery Charging	Area i 8 (iro NA NA NA NA Dent	measurement (Min/Max & a  n, rainbow, cold-hot, blue-re inverted grey, sepia, testo)  Bluetooth He Yes Optional  Optional  Export formats- bmp, jpg, cv 2GB SD Card Li-ion - 4+hour run time tional Internal	d, grey, adset included es es ional rs, png, xls	
Color palettes  Voice Annotation ( 30 Sec. per image) sotherm Function SO Certification plar mode (Solar Intensity Values) arface Moisture distribution Humidity measurement with Radio Probe File format Storage device Stattery type Addit Ional Bottery Battery Charging External Rapid Charger	Area i 8 (iro NA NA NA NA Dent	n, rainbow, cold-hot, blue-re inverted grey, sepia, testo)  Bluetooth He Yes Optional Y Optional N Optional I I I I I I I I I I I I I I I I I I I	d, grey, adset included es es included s, png, xls	
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Color palettes  Voice Annotation ( 30 Sec. per image) Isotherm Function Iso Certification Isolar mode [Solar Intensity Values] Inface Moisture distribution Humidity measurement with Radio Probe File format  Storage device Battery type Additional Battery Battery Charging External Rapid Charger Operating temperature range Storage Range (IEC 60529)	Area i 8 (iro NA NA NA NA Dent	n, rainbow, cold-hot, blue-re inverted grey, sepia, testo)  Bluetooth He Yes Optional  Yes Optional  Li-lon - 4+ hour run time tional  internal tional  5°f to 104°f	d, grey, adset included es es ional rs, png, xls	
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Color palettes  Voice Annotation ( 30 Sec. per image) Isotherm Function ISO Certification Isolar mode [Solar Intensity Values] Inface Moisture distribution Humidity measurement with Radio Probe File format  Storage device Battery type Additional Battery Battery Charging External Rapid Charger Operating temperature range Storage Range (IEC 60529) Whistation (IEC 6058-2-6) Weight Dimensions (L x W H) in inches Imager protection Class	Area i 8 (iro NA NA NA NA Dent	n, rainbow, cold-hot, blue-re inverted grey, sepia, testo)  Bluetooth He Yes Optional Yes Optional Yes Yes Optional Yes O	d, grey, adset included es es ional rs, png, xls	
Color palettes  Voice Annotation ( 30 Sec. per image)  sotherm Function  So Certification  olar mode (Solar Intensity Values)  urforce Moisture distribution  rlumidity measurement with Radio Probe  File format  Storage device  Battery type  Additional Battery  Battery Charging  External Rapid Charger  Doperating temperature range  Storage Range (IEC 60529)  vibration (IEC 60068-2-6)  Weight  Dimensions (Lx W x H) in inches  mager protection Class  Hard travel case	Area i 8 (iro NA NA NA NA Dent	n, rainbow, cold-hot, blue-re inverted grey, sepia, testo)  Bluetooth He Yes Optional  Yes Optional  Li-ion - 4+ hour run time titional  Internal titional  5°F to 140°F 26'S 3.5 lbs. 10° x 5.0° x 4.3°  IP 54 Yes	d, grey, adset included es es ional rs, png, xls	
Color palettes  Voice Annotation ( 30 Sec. per image)  Isotherm Function  SIGO certification  olar mode (Solar Intensity Values)  urface Moisture distribution  Humidity measurement with Radio Probe  File format  Storage device  Battery type  Additional Battery  Battery Charging  External Rapid Charger  Operating temperature range  Storage Range (EC 60529)  Vibration (IEC 60068-2-6)  Weight  Dimensions ( I. w W x H) in inches  Imager protection Class  Hard travel case  Tripod mounting	Area i 8 (iro NA NA NA NA Dent	n, rainbow, cold-hot, blue-re inverted grey, sepia, testo)  Bluetooth He Yes Optional Y Optional Y Optional Hibina - 4 hour run time tional Internal tional S*F* to 104*F - 22*F* to 140*F - 26 3.5.8 bs. 10* x 5.0* x 4.3** Yes Included	d, grey, adset included es es ional rs, png, xls	
Color palettes  Voice Annotation ( 30 Sec. per image)  sotherm Function  Sot Certification  slar mode (Solar Intensity Values)  urguece Moisture distribution  ulumidity measurement with Radio Probe  File format  storage device  sattery type  Additional Battery  sattery Charging  sternal Rapid Charger  Doperating temperature range  storage Range (IEC 60529)  ribration (IEC 60068-2-6)  Weight  Dimensions (L x W x H) in inches  mager protection Class  land travel case  and travel case  and travel case	Area i 8 (iro NA NA NA NA Dent	n, rainbow, cold-hot, blue-re inverted grey, sepia, testo)  Bluetooth He Yes Optional  Yes Optional  Li-ion - 4+ hour run time titional  Internal titional  5°F to 140°F 26'S 3.5 lbs. 10° x 5.0° x 4.3°  IP 54 Yes	d, grey, adset included es es ional rs, png, xls	

#### 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.

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