

# **Testo 885 Series Thermal Imagers**

# Sensitivity, Resolution and Performance

Industrial, Commercial and Research applications are demanding work environments for any thermal imager. The 885 Series uses a flexibly designed platform that can be vital for your application. The high sensitivity 30mK and resolution 320 x 240 make this imager extremely versatile in any inspection or research program.

With additional features like an 11<sup>o</sup> telephoto lens, objects are no longer out of reach and can be easily organized with the use of our Site Recognition barcode and database solution. Add to all of this the ability to capture Radiometric Video for detailed frame by frame post analysis and trending, the 885 Series is in a class by itself.





## **Features**

- Large 4.3" TouchScreen
- Detector Resolution 320 x 240 - SuperResolution 640 x 480
- <30 mK NETD sensitivity</p>
- 11<sup>0</sup> Telephoto Lens
- High Temperature Option 2192°F
- Site-Recognition & Database

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

www.GlobalTestSupply.com

Find Quality Products Online at:



### **Testo Thermal Imagers**

|  | Testo 885 Series  |   |  |  |
|--|---|---|--|--|
| Model  | 885-1   | 885-2   | 885-2 DLX  |  |
| Catalog Number   | 0563 0885 71  | 0563 0885 72  | 0563 0885 73   |  |
| Warranty   |   | 2 Years   |  |  |
|  |   |   |  |  |
| Detector type  | 320 x   | 240 FPA Uncooled Microbo  | lometer  |  |
| Pixels   |   | 76,800  |  |  |
| SuperResolution (4x pixel upgrade)   |   | 640 x 480 - Included  |  |  |
| SuperResolution Pixels   |   | 307,200   |  |  |
| Thermal sensitivity NIST Certification   |   | 30 mK<br>NIST Certification Included  | 4  |  |
| Visual Camera  |   | Included (5 mp)   | 1  |  |
| Standard Lens  |   | 30° x 23° / 3.9" Min. focu  | S  |  |
| Telephoto Lens 9° x 7° / 20" Min. focus  |   | NA<br>Optional  | In all of a d  |  |
| Telephoto Lens 11°x 9° / 19" Min. focus<br>Telephoto Lens 15°x 11° / 19" Min. focus  | NA  | NA  | Included   |  |
| Video output Via USB   |   | Yes   |  |  |
| Radiometric Video / Process Analysis Lens Protection Glass   | NA<br>Optional  | Full Radiometr  | ic Video Included<br>Yes   |  |
| IRSoft Analysis & Report software  | Optional  | Included  | Tes  |  |
| Image refresh rate   |   | 33 Hz   |  |  |
| Focus mode   |   | Manual / Auto   |  |  |
| Image modes  | IR Ir   | nage, Visual Image, Image (   | Gallery  |  |
| Spectral range   |   | 8 to 14 μm  |  |  |
| Spectral range<br>Image display  | 4.3"  | 8 to 14 μm<br>LCD Touchscreen 480 x 27  | 2 pixels   |  |
| Menu Operation   |   | on joystick or touchscreen i  |  |  |
| Digital Zoom   |   | 1 X to 3 X  |  |  |
| Rotating Display<br>Rotating Handle  |   | Yes   |  |  |
| Power LED Lights   |   | Yes   |  |  |
|  |   |   |  |  |
| Panoramic Assistant  |   | Included  |  |  |
|  |   | Included  |  |  |
| Site Recognition (Barcode & Database Solution)   | NA  | Inc   | luded  |  |
| Temperature range  | NA  | 662°F<br>2192°F   | luded<br>Optional  |  |
| Temperature range<br>Extended High Temperature Range<br>Accuracy   |   | 662°F<br>2192°F<br>±2% of reading   |  |  |
| Temperature range<br>Extended High Temperature Range   |   | 662°F<br>2192°F   |  |  |
| Temperature range<br>Extended High Temperature Range<br>Accuracy<br>Emissivity Correction  | NA<br>Center Point, 3 meas  | 662°F<br>2192°F<br>±2% of reading<br>0.01 to 1.0  | Optional   |  |
| Temperature range<br>Extended High Temperature Range<br>Accuracy<br>Emissivity Correction<br>Atmosphere Correction (Reflected Temperature)   | Center Point, 3 meas<br>Area r  | 662°F<br>2192°F<br>±2% of reading<br>0.01 to 1.0<br>Yes<br>urement points, Auto Hot/  | Optional<br>Cold Spot Recognition,<br>average)<br>ed, grey,  |  |
| Temperature range Extended High Temperature Range Accuracy Emissivity Correction Atmosphere Correction (Reflected Temperature) Measurment modes Color palettes Voice Annotation ( 30 Sec. per image)   | Center Point, 3 meas<br>Area r  | Inc<br>662*F<br>2192*F<br>±2% of reading<br>0.01 to 1.0<br>Yes<br>urement points, Auto Hot/<br>neasurement (Min/Max & a<br>rainbow, cold-hot, blue-ro<br>inverted grey, sepia, testo<br>Bluetooth H   | Optional<br>Cold Spot Recognition,<br>average)<br>ed, grey,  |  |
| Temperature range Extended High Temperature Range Accuracy Emissivity Correction Atmosphere Correction (Reflected Temperature) Measurment modes Color palettes Voice Annotation ( 30 Sec. per image) Isotherm Function   | Center Point, 3 meas<br>Area r  | Inc<br>662'F<br>2192'F<br>±2% of reading<br>0.01 to 1.0<br>Yes<br>urement points, Auto Hot/,<br>neasurement (Min/Max & i<br>inverted grey, sepia, testo<br>Bluetooth Hi<br>Yes  | Optional<br>Cold Spot Recognition,<br>average)<br>ed, grey,<br>)   |  |
| Temperature range         Extended High Temperature Range         Accuracy         Emissivity Correction         Atmosphere Correction (Reflected Temperature)         Measurment modes         Color palettes         Voice Annotation (30 Sec. per image)         sotherm Function         Sotherm Function  | Center Point, 3 meas<br>Area r  | Inc<br>662*F<br>2192*F<br>±2% of reading<br>0.01 to 1.0<br>Yes<br>urement points, Auto Hot/<br>neasurement (Min/Max & a<br>rainbow, cold-hot, blue-ro<br>inverted grey, sepia, testo<br>Bluetooth H   | Optional<br>Cold Spot Recognition,<br>average)<br>ed, grey,<br>)   |  |
| Temperature range Extended High Temperature Range Accuracy Emissivity Correction Atmosphere Correction (Reflected Temperature) Measurment modes Color palettes Voice Annotation (30 Sec. per image) Isotherm Function ISO Certification ISO CERTIFICAT | Center Point, 3 meas<br>Area r<br>8 (iror<br>NA<br>NA                                       | Inc<br>662*F<br>±2% of reading<br>0.01 to 1.0<br>Yes<br>urement points, Auto Hot/<br>neasurement (Min/Max & a<br>, rainbow, cold-hot, blue-r-<br>inverted grey, sepia, testo<br>Bluetooth Hi<br>Yes<br>Optional   | Optional Cold Spot Recognition, avverage) ed, grey, ) eadset Included Yes Yes  |  |
| Temperature range Extended High Temperature Range Accuracy Emissivity Correction Atmosphere Correction (Reflected Temperature) Measurment modes Color palettes Voice Annotation (30 Sec. per image) Isotherm Function ISO Certification ISO CERTIFICAT | Center Point, 3 meas<br>Area r<br>8 (iror<br>NA   | Inc<br>662*F<br>±2% of reading<br>0.01 to 1.0<br>Yes<br>urement points, Auto Hot/<br>neasurement (Min/Max & a<br>, rainbow, cold-hot, blue-r-<br>inverted grey, sepia, testo<br>Bluetooth Hi<br>Yes<br>Optional   | Optional<br>Cold Spot Recognition,<br>average)<br>ed, grey,<br>)<br>eadset Included  |  |
| Temperature range Extended High Temperature Range Accuracy Emissivity Correction Atmosphere Correction (Reflected Temperature) Measurment modes Color palettes Voice Annotation (30 Sec. per image) Isotherm Function ISO Certification Isot mode (Solar Intensity Values) urface Moisture distribution Humidity measurement with Radio Probe  | Center Point, 3 meas<br>Area r<br>8 (iror<br>NA<br>NA<br>NA<br>NA                           | Inc<br>662*F<br>±2% of reading<br>0.01 to 1.0<br>Yes<br>urement points, Auto Hot/<br>neasurement (Min/Max & a<br>, rainbow, cold-hot, blue-r-<br>inverted grey, sepia, testo<br>Bluetooth Hi<br>Yes<br>Optional   | Optional<br>Cold Spot Recognition,<br>average)<br>ed, grey,<br>)<br>eadset Included<br>Yes<br>Yes<br>Yes   |  |
| Temperature range Extended High Temperature Range Accuracy Emissivity Correction Atmosphere Correction (Reflected Temperature) Measurment modes Color palettes Voice Annotation ( 30 Sec. per image) Isotherm Function Iso Certification Iso Certifica | Center Point, 3 meas<br>Area r<br>8 (iror<br>NA<br>NA<br>NA<br>NA                           | Inc<br>662*F<br>±2% of reading<br>0.01 to 1.0<br>Yes<br>urement points, Auto Hot/<br>neasurement (Min/Max & a<br>p, rainbow, cold-hot, blue-r-<br>inverted grey, sepia, testo<br>Bluetooth Hi<br>Yes<br>Optional<br>Optional<br>Op  | Optional<br>Cold Spot Recognition,<br>average)<br>ed, grey,<br>)<br>eadset Included<br>Yes<br>Yes<br>Yes   |  |
| Temperature range Extended High Temperature Range Excuracy Emissivity Correction Atmosphere Correction (Reflected Temperature) Weasurment modes Color palettes Voice Annotation (30 Sec. per image) sotherm Function S0 Certification S0 Certification S0 mode (Sole Intensity Values) urface Moisture distribution Humidity measurement with Radio Probe File format Storage device   | Center Point, 3 meas<br>Area r<br>8 (iror<br>NA<br>NA<br>NA<br>NA                           | Inc<br>662*F<br>2192*F<br>±2% of reading<br>0.01 to 1.0<br>Yes<br>urement points, Auto Hot/<br>neasurement (Min/Max & a<br>, rainbow, cold-hot, blue-ro<br>inverted grey, sepia, testo<br>Bluetooth H<br>Yes<br>Optional<br>Optional  | Optional Cold Spot Recognition, sverage) ed, grey, eadset Included Yes Yes tional vs, png, xls   |  |
| Temperature range         Extended High Temperature Range         Accuracy         Emissivity Correction         Atmosphere Correction (Reflected Temperature)         Measurment modes         Color palettes         Voice Annotation (30 Sec. per image)         Sotherm Function         Solor intensity Values)         urface Molisture distribution         Humidity measurement with Radio Probe         File format         Storage device         Battery type         Additional Battery  | Center Point, 3 meas<br>Area r<br>8 (iror<br>NA<br>NA<br>NA<br>NA<br>NA<br>NA<br>NA         | Inc<br>662*F<br>±2% of reading<br>0.01 to 1.0<br>Yes<br>urement points, Auto Hot/<br>neasurement (Min/Max & a<br>p, rainbow, cold-hot, blue-rr<br>inverted grey, sepia, testo<br>Bluetooth Hi<br>Yes<br>Optional<br>District State of the second<br>District State of the second  | Optional Cold Spot Recognition, sverage) ed, grey, eadset Included Yes Yes tional vs, png, xls   |  |
| Temperature range Extended High Temperature Range Accuracy Emissivity Correction Atmosphere Correction (Reflected Temperature) Measurment modes Color palettes Voice Annotation (30 Sec. per image) Isotherm Function ISO Certification ISO Certificat | Center Point, 3 meas<br>Area r<br>8 (iror<br>NA<br>NA<br>NA<br>NA<br>NA<br>NA<br>Opt        | Inc 662*F 2192°E ±2% of reading 0.01 to 1.0 Yes urement points, Auto Hot/ neasurement (Min/Max & a , rainbow, cold-hot, blue-r inverted grey, sepia, testo ptional Bluetooth H Yes Optional Op ixport formats- bmp, jpg, c 2GB SD Card Li-lon - 4+hour run time ional Internal  | Optional Cold Spot Recognition, average) ed, grey, eadset Included Yes Yes tional vs, png, xls Included  |  |
| Temperature range Extended High Temperature Range Accuracy Emissivity Correction Atmosphere Correction (Reflected Temperature) Measurment modes Color palettes Voice Annotation (30 Sec. per image) Isotherm Function ISO Certification ISO Certification ISO Certification Isoter distribution Humidity measurement with Radio Probe Fille format Estorage device Battery Upe Additional Battery Battery Charging External Rapid Charger  | Center Point, 3 meas<br>Area r<br>8 (iror<br>NA<br>NA<br>NA<br>NA<br>NA<br>NA<br>Opt        | Inc<br>662'F<br>2192'F<br>±2% of reading<br>0.01 to 1.0<br>Yes<br>urement points, Auto Hot/<br>neasurement (Min/Max & a<br>p, rainbow, cold-hot, blue-ro<br>inverted grey, sepia, testo<br>p, rainbow, cold-hot, blue-ro<br>inverted grey, sepia, testo<br>Bluetooth H<br>Yes<br>Optional<br>Op<br>xport formats- bmp, jpg, co<br>2GB SD Card<br>Li-ion - 44 -hour run time<br>ional  | Optional<br>Cold Spot Recognition,<br>average)<br>ed, grey,<br>)<br>eadset Included<br>Yes<br>Yes<br>tional<br>vs, png, xls  |  |
| Temperature range Extended High Temperature Range Accuracy Emissivity Correction Atmosphere Correction (Reflected Temperature) Measurment modes Color palettes Voice Annotation (30 Sec. per image) Sotherm Function Sotherm Function Solor 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  | Center Point, 3 meas<br>Area r<br>8 (iror<br>NA<br>NA<br>NA<br>NA<br>NA<br>NA<br>Opt        | Inc 662*F 2192°E ±2% of reading 0.01 to 1.0 Yes urement points, Auto Hot/ neasurement (Min/Max & a , rainbow, cold-hot, blue-r inverted grey, sepia, testo ptional Bluetooth H Yes Optional Op ixport formats- bmp, jpg, c 2GB SD Card Li-lon - 4+hour run time ional Internal  | Optional Cold Spot Recognition, average) ed, grey, eadset Included Yes Yes tional vs, png, xls Included  |  |
| Temperature range<br>Extended High Temperature Range<br>Accuracy<br>Emissivity Correction<br>Atmosphere Correction (Reflected Temperature)<br>Measurment modes   | Center Point, 3 meas<br>Area r<br>8 (iror<br>NA<br>NA<br>NA<br>NA<br>NA<br>NA<br>Opt        | Inc<br>662*F<br>±2% of reading<br>0.01 to 1.0<br>Yes<br>urement points, Auto Hot/<br>neasurement (Min/Max & a<br>p, rainbow, cold-hot, blue-rr<br>inverted grey, sepia, testo<br>bluetooth Hi<br>Yes<br>Optional<br>Bluetooth Hi<br>Yes<br>Optional<br>Li-ion - 4+hour run time<br>tonal<br>Internal<br>ional<br>S*F to 104*F   | Optional Cold Spot Recognition, average) ed, grey, eadset Included Yes Yes tional vs, png, xls Included  |  |
| Temperature range Extended High Temperature Range Accuracy Emissivity Correction (Reflected Temperature) Measurment modes Color palettes Voice Annotation ( 30 Sec. per image) Isotherm Function ISo Certification olor mode (Solar Intensity Values) urface Molsture distribution Humidity measurement with Radio Probe File format Storage device Battery Upe Additional Battery Battery Charging External Rapid Charger Operating temperature range Storage Range (IEC 60529) Vibration (IEC 60068-2-6) Weight  | Center Point, 3 meas<br>Area r<br>8 (iror<br>NA<br>NA<br>NA<br>NA<br>NA<br>NA<br>Opt        | Inc<br>662*F<br>±2% of reading<br>0.01 to 1.0<br>Yes<br>urement points, Auto Hot/<br>neasurement (Min/Max & a<br>p, rainbow, cold-hot, blue-r-<br>inverted grey, sepia, testo<br>Bluetooth Hi<br>Yes<br>Optional<br>Different September<br>September 200<br>Different September 200<br>September 20  | Optional Cold Spot Recognition, average) ed, grey, eadset Included Yes Yes tional vs, png, xls Included  |  |
| Temperature range Extended High Temperature Range Accuracy Emissivity Correction (Reflected Temperature) Measurment modes Color palettes Voice Annotation (30 Sec. per image) Isotherm Function Iso Certification Iso Certification Iso Certification Iso Certification Storage device Battery type Additional Battery Battery Charging External Rapid Charger Operating temperature range Storage name (IEC 60529) Vibration (IL SW x H) in inches  | Center Point, 3 meas<br>Area r<br>8 (iror<br>NA<br>NA<br>NA<br>NA<br>NA<br>NA<br>Opt        | Inc<br>662*F<br>2192°E<br>±2% of reading<br>0.01 to 1.0<br>Yes<br>urement points, Auto Hot/<br>neasurement (Min/Max & a<br>, rainbow, cold-hot, blue-rr<br>inverted grey, sepia, testo<br>grey, sepia, testo<br>Bluetooth H<br>Yes<br>Optional<br>Difference<br>CGB SD Card<br>Li-Jon - 4+ hour run time<br>ional<br>S*F to 104°E<br>-22°E to 104°E   | Optional Cold Spot Recognition, average) ed, grey, eadset Included Yes Yes tional vs, png, xls Included  |  |
| Temperature range Extended High Temperature Range Accuracy Emissivity Correction Atmosphere Correction (Reflected Temperature) Measurment modes Color palettes Color palettes Voice Annotation (30 Sec. per image) Isotherm Function Isotherm Function Isotherm Function Storage (Solar Intensity Values) aurface Moisture distribution Humidity measurement with Radio Probe File format Storage device Battery (Spe Additional Battery Battery Charging External Rapid Charger Operating temperature range Storage Range (IEC 60529) Vibration | Center Point, 3 meas<br>Area r<br>8 (iror<br>NA<br>NA<br>NA<br>NA<br>NA<br>NA<br>Opt        | Inc<br>662'F<br>2192'F<br>±2% of reading<br>0.01 to 1.0<br>Yes<br>urement points, Auto Hot/<br>neasurement (Min/Max & a<br>prainbow, cold-hot, blue-rn<br>inverted grey, sepia, testo<br>Bluetooth H<br>Yes<br>Optional<br>Bluetooth H<br>Yes<br>Optional<br>000<br>xport formats- bmp, jpg, co<br>2GB SD Card<br>Li-ion - 4+ hour run time<br>ional<br>S <sup>-</sup> 5 <sup>r</sup> to 104'F<br>- <sup>2</sup> 2'F to 104' | Optional Cold Spot Recognition, average) ed, grey, eadset Included Yes Yes tional vs, png, xls Included  |  |
| Temperature range Extended High Temperature Range Accuracy Emissivity Correction (Reflected Temperature) Measurment modes Color palettes Voice Annotation ( 30 Sec. per image) Isotherm Function ISo Certification olor mode (Solar Intensity Values) urface Molsture distribution Humidity measurement with Radio Probe File format Storage device Battery Upe Additional Battery Battery Charging External Rapid Charger Operating temperature range Storage Range (IEC 60529) Vibration (IEC 60068-2-6) Weight  | Center Point, 3 meas<br>Area r<br>8 (iror<br>NA<br>NA<br>NA<br>NA<br>NA<br>NA<br>Opt        | Inc<br>662*F<br>2192°E<br>±2% of reading<br>0.01 to 1.0<br>Yes<br>urement points, Auto Hot/<br>neasurement (Min/Max & a<br>, rainbow, cold-hot, blue-rr<br>inverted grey, sepia, testo<br>grey, sepia, testo<br>Bluetooth H<br>Yes<br>Optional<br>Difference<br>CGB SD Card<br>Li-Jon - 4+ hour run time<br>ional<br>S*F to 104°E<br>-22°E to 104°E   | Optional Cold Spot Recognition, average) ed, grey, eadset Included Yes Yes tional vs, png, xls Included  |  |
| Temperature range Extended High Temperature Range Accuracy Emissivity Correction (Reflected Temperature) Measurment modes Color palettes Voice Annotation ( 30 Sec. per image) Isotherm Function ISo Certification olor 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 Ange (IEC 60529) Vibraton (IEC 60068-2-6) Weight Dimensions (La XW x H) in inches Imager protection Class Hard travel case   | Center Point, 3 meas<br>Area r<br>8 (iror<br>NA<br>NA<br>NA<br>NA<br>NA<br>NA<br>Opt        | Inc<br>662*F<br>2192*F<br>±2% of reading<br>0.01 to 1.0<br>Yes<br>urement points, Auto Hot/<br>neasurement (Min/Max & a<br>prainbow, cold-hot, blue-rr-<br>inverted grey, sepia, testo<br>Bluetooth Hu<br>Yes<br>Optional<br>Bluetooth Hu<br>Yes<br>Optional<br>Cold SD Card<br>Li-lon - 44 hour run time<br>ional<br>Internal<br>ional<br>5*F to 104*F<br>-22F to 140*F<br>-22F to 140*F<br>-226<br>3.5 lbs.<br>10* x 5.0* x 4.3*<br>IP 54   | Optional Cold Spot Recognition, average) ed, grey, eadset Included Yes Yes tional vs, png, xls Included  |  |
| Temperature range Extended High Temperature Range Accuracy Emissivity Correction ( <i>Beflected Temperature</i> ) Measurment modes Color palettes Color palettes Voice Annotation ( 30 Sec. per image) Isotherm Function Iso Certification Iso Certification Iso Certification Iso Certification Der 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 (IEC 605229) Vibration (IC 6068-2-6) Weight Dimensions (L x W x H) in inches Imager protection Class Hard travel case Tipod mounting  | NA<br>Center Point, 3 meas<br>Area r<br>8 (iror<br>NA<br>NA<br>NA<br>NA<br>NA<br>Opt<br>Opt | Inc<br>662*F<br>2192°E<br>±2% of reading<br>0.01 to 1.0<br>Yes<br>urement points, Auto Hot/<br>neasurement (Min/Max & a<br>, rainbow, cold-hot, blue-rr<br>inverted grey, sepia, testo<br>grey, sepia, testo<br>Bluetooth H<br>Yes<br>Optional<br>Difference<br>CGB SD Card<br>Li-Jon - 4+ hour run time<br>ional<br>Internal<br>ional<br>S*F to 104°F<br>-22°F to 104°F<br>-22°F to 104°F<br>2G<br>3.5 lbs.<br>10° x 5.0° x 4.3°<br>IP 54<br>Yes<br>Included   | Optional Cold Spot Recognition, average) ed, grey, ) eadset Included Yes Yes Yes Included Inc |  |

### **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

www.GlobalTestSupply.com

### sales@GlobalTestSupply.com