Thermal imaging camera

Model testo 872s

testo

Application:

For preventive maintenance. Ideally suited for early detection of impending faults or defects in plants and machines, such as the rapid detection of critical heating conditions ("hotspots") during operation, avoidance of downtimes and fire risks on plants and machines, inspection of control cabinets, electrical connections, wear monitoring on machines, checking of motors, bearings, shafts etc. Can also be used to detect structural defects and leaks.

Execution:

- Thermal sensitivity of 0.05°C
- Integrated 5 Mpix digital camera
- Automatic measuring range changeover

Advantage:

- Automatic detection of hot and cold spots
- IFOV-Warner to always find the correct distance to the object to be measured
- Fast measurement with fixed focus
- testo Thermography app as a second display and for efficient documentation
- Wireless transmission of measured values when used with optional current clamp testo 770-3 and thermal hygrometer testo 605i

Brand Trype of rechargeable battery/battery Manufacturer Part Number Model Min./max. temperature measuring range Accuracy temperature ### / 2°C, +/- 2 % of measured value ### / 2°C,		44405 705
Type of rechargeable battery/battery Manufacturer Part Number 0560 8725 Model testo 8725 Min./max. temperature measuring range -30 to +650 °C Accuracy temperature +/- 2 °C, +/- 2 % of measured value Min./max. spectral range Thermal sensitivity (NETD) 50 mK Refresh rate 9 Hz Lens 42° x 30° Resolution infrared 320 x 240 pixels, 640 x 480 pixels Geometrical resolution 2.3 mrad Min. focus distance Weight 510 g Positioning aid Laser pointer Display 8.9 cm (3.5 inch) TFT, QVGA (320 x 240 pixels), IR image, Real image Export file format image storage Jipgbmt Data transmission type Emissivity adjustable Manual Max. emission ratio Colour representation Iron, Rainbow, Rainbow HC, Cold-hot, Blue-red, Grey, Grey inverted, Iron HT, Sepia, Testo, Humidity palette Focus Fixed focus Internal memory Laser category 2 Min./max. air humidity 20-80 % Interface USB 2 Micro B, Bluetooth IP protection type, equipment housing Pass Very Mindows 10 Electricity connection Yes Gross Weight 2.060 kg Min./max. operating temperature -15 to 50 °C	Art. no.	46135 735
Manufacturer Part Number Model Min./max. temperature measuring range Accuracy temperature Min./max. spectral range Accuracy temperature Accur		1
Model testo 872s Min./max. temperature measuring range -30 to +650 ° C Accuracy temperature +/- 2 ° C, +/- 2 % of measured value Min./max. spectral range 7.5-14 µm Thermal sensitivity (NETD) 50 mK Refresh rate 9 Hz Lens 42° x 30° Resolution infrared 320 x 240 pixels, 640 x 480 pixels Geometrical resolution 2.3 mrad Min. focus distance < 0.5 m Weight 510 g Positioning aid Laser pointer Display 8.9 cm (3.5 inch) TFT, QVGA (320 x 240 pixels), IR image, Real image Export file format image storage .jpg, .bmt Data transmission type USB, WLAN with testo Thermography App Emissivity adjustable Manual Max. emission ratio 1.0 Colour representation Iron, Rainbow, Rainbow HC, Cold-hot, Blue-red, Grey, Grey inverted, Iron HT, Sepia, Testo, Humidity palette Focus Fixed focus Internal memory 2.8 GB Laser category 2 Min./max. air humidity 20-80 % Interface USB 2 Micro B, Bluetooth IP protect		<u> </u>
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Geometrical resolution Min. focus distance Veight Positioning aid Laser pointer Display 8.9 cm (3.5 inch) TFT, QVGA (320 x 240 pixels), IR image, Real image Export file format image storage Jipg, .bmt Data transmission type Emissivity adjustable Manual Max. emission ratio Colour representation Iron, Rainbow, Rainbow HC, Cold-hot, Blue-red, Grey, Grey inverted, Iron HT, Sepia, Testo, Humidity palette Focus Internal memory 2.8 GB Laser category Q Min./max. air humidity 20-80 % Interface USB 2 Micro B, Bluetooth IP protection type, equipment housing IP 54 Software testo IRSoft (as download after registration) Material of housing ABS/Polycarbonate System requirement Windows 8.1, Windows 10 Electricity connection Yes Gross Weight Min./max. operating temperature -15 to 50 °C	Lens	42° x 30°
Min. focus distance < 0.5 m Weight	Resolution infrared	320 x 240 pixels, 640 x 480 pixels
Positioning aid Laser pointer B.9 cm (3.5 inch) TFT, QVGA (320 x 240 pixels), IR image, Real image Export file format image storage Jipg, .bmt Data transmission type USB, WLAN with testo Thermography App Emissivity adjustable Manual Max. emission ratio 1.0 Colour representation Iron, Rainbow, Rainbow HC, Cold-hot, Blue-red, Grey, Grey inverted, Iron HT, Sepia, Testo, Humidity palette Focus Fixed focus Internal memory 2.8 GB Laser category 2 Min./max. air humidity Interface USB 2 Micro B, Bluetooth IP protection type, equipment housing IP 54 Software testo IRSoft (as download after registration) Material of housing ABS/Polycarbonate System requirement Windows 8.1, Windows 10 Electricity connection Yes Gross Weight Min./max. operating temperature -15 to 50 °C	Geometrical resolution	2.3 mrad
Positioning aid Display 8.9 cm (3.5 inch) TFT, QVGA (320 x 240 pixels), IR image, Real image Export file format image storage Jjpg, .bmt Data transmission type USB, WLAN with testo Thermography App Emissivity adjustable Manual Max. emission ratio Colour representation Iron, Rainbow, Rainbow HC, Cold-hot, Blue-red, Grey, Grey inverted, Iron HT, Sepia, Testo, Humidity palette Focus Fixed focus Internal memory 2.8 GB Laser category 2 Min./max. air humidity 20-80 % Interface USB 2 Micro B, Bluetooth IP protection type, equipment housing IP 54 Software Material of housing ABS/Polycarbonate System requirement Windows 8.1, Windows 10 Electricity connection Yes Gross Weight Min./max. operating temperature -15 to 50 °C	Min. focus distance	< 0.5 m
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Colour representation Iron, Rainbow, Rainbow HC, Cold-hot, Blue-red, Grey, Grey inverted, Iron HT, Sepia, Testo, Humidity palette Focus Fixed focus Internal memory 2.8 GB Laser category 2 Min./max. air humidity 20-80 % Interface USB 2 Micro B, Bluetooth IP protection type, equipment housing IP 54 Software testo IRSoft (as download after registration) Material of housing ABS/Polycarbonate System requirement Windows 8.1, Windows 10 Electricity connection Yes Gross Weight 2.060 kg Min./max. operating temperature -15 to 50 °C	Emissivity adjustable	Manual
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Fixed focus Internal memory 2.8 GB Laser category 2 Min./max. air humidity 10-80 % Interface USB 2 Micro B, Bluetooth IP protection type, equipment housing IP 54 Software testo IRSoft (as download after registration) Material of housing ABS/Polycarbonate System requirement Windows 8.1, Windows 10 Electricity connection Yes Gross Weight 2.060 kg Min./max. operating temperature Fixed focus ABS/ Windows 8.1	Colour representation	Iron, Rainbow, Rainbow HC, Cold-hot, Blue-red, Grey,
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Interface IP protection type, equipment housing IP 54 Software testo IRSoft (as download after registration) Material of housing ABS/Polycarbonate System requirement Windows 8.1, Windows 10 Electricity connection Yes Gross Weight 2.060 kg Min./max. operating temperature -15 to 50 °C	Laser category	2
IP protection type, equipment housing IP 54 Software testo IRSoft (as download after registration) Material of housing ABS/Polycarbonate System requirement Windows 8.1, Windows 10 Electricity connection Yes Gross Weight 2.060 kg Min./max. operating temperature -15 to 50 °C	Min./max. air humidity	20-80 %
Software testo IRSoft (as download after registration) Material of housing ABS/Polycarbonate System requirement Windows 8.1, Windows 10 Electricity connection Yes Gross Weight 2.060 kg Min./max. operating temperature -15 to 50 °C	Interface	USB 2 Micro B, Bluetooth
Material of housing ABS/Polycarbonate System requirement Windows 8.1, Windows 10 Electricity connection Yes Gross Weight 2.060 kg Min./max. operating temperature -15 to 50 °C	IP protection type, equipment housing	IP 54
System requirement Windows 8.1, Windows 10 Electricity connection Yes Gross Weight 2.060 kg Min./max. operating temperature -15 to 50 °C	Software	testo IRSoft (as download after registration)
Electricity connection Yes Gross Weight 2.060 kg Min./max. operating temperature -15 to 50 °C	Material of housing	ABS/Polycarbonate
Gross Weight 2.060 kg Min./max. operating temperature -15 to 50 °C	System requirement	Windows 8.1, Windows 10
Min./max. operating temperature -15 to 50 °C	Electricity connection	Yes
,	Gross Weight	2.060 kg
Product Group 4CF	Min./max. operating temperature	-15 to 50 °C
	Product Group	4CF

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