

Ordering data

testo 865

Thermal imager testo 865 with integrated testo SuperResolution, USB cable, mains unit, Lithium ion rechargeable battery, pro software (free download), quick-start guide, short instructions, calibration certificate and case

Order no. 0560 8650



Accessories

Order no.

Spare battery, additional Lithium ion rechargeable battery for extending the operating time.	0515 5107	
Battery charger, desktop charging station for optimizing the charge time.	0554 1103	
Emissivity tape, adhesive tape e.g. for bare surfaces (roll, L.: 10 m, W.: 25 mm), $\epsilon = 0.95$, temperature-proof up to +250 °C.	0554 0051	
Holster case	0554 7808	
PC software testo IRSOFT for data analysis and reporting	0501 8809	

Technical data

Infrared image output

Infrared resolution	160 x 120 pixels
Thermal sensitivity (NETD)	120 mK
Field of view/min. focusing distance	31° x 23° / < 0.5 m
Geometric resolution (IFOV)	3.4 mrad
testo SuperResolution (Pixel/IFOV)	320 x 240 pixels 2.1 mrad
Image refresh rate	9 Hz
Focus	Fixed focus
Spectral range	7.5 to 14 µm

Image presentation

Image display	8.9 cm (3.5") TFT, QVGA (320 x 240 pixels)
Display options	IR image
Colour palettes	iron, rainbow HC, cold-hot, grey

Data interfaces

USB 2.0 Micro B	✓
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Measurement

Measuring range	-20 to +280 °C
Accuracy	±2 °C, ±2 % of measurement value (larger value applies)
Emissivity / reflected temperature compensation	0.01 to 1 / manual

Measurement functions

Analysis functions	Mean point measurement, hot/cold-spot recognition, Delta T,
testo ScaleAssist	✓
IFOV warner	✓

Imager equipment

Lens	31° x 23°
Video streaming	via USB
Storage as JPG	✓
Fullscreen mode	✓

Image storage

File format	.bmt and .jpg; export options in .bmp, .jpg, .png, .csv, .xls
Memory	Internal memory (2.8 GB)

Power supply

Battery type	Li-ion battery can be changed on-site
Operating time	4 hours
Charging options	In instrument/in charging station (optional)
Mains operation	✓

Ambient conditions

Operating temperature range	-15 to +50 °C
Storage temperature range	-30 to +60 °C
Air humidity	20 to 80 %RH, not condensing
Housing protection class (IEC 60529)	IP54
Vibration (IEC 60068-2-6)	2G

Physical features

Weight	510 g
Dimensions (LxWxH)	219 x 96 x 95 mm
Housing	PC - ABS

PC software

System requirements	Windows 10, Windows 8, Windows 7
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Standards, tests

EU directive	2014/30/EU
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