

## Thermal imager

testo 865 -Switch on, aim, know more.

Infrared resolution 160 x 120 pixels

With testo SuperResolution to  $320 \times 240$  pixels

Automatic recognition of hot-cold spots



The thermal imager testo 865 is the ideal entry into the world of thermography. It stands out thanks to the best image quality in its class and handy operation, is robust enough to withstand tough daily use, and has useful functions for even better thermal images.

And all this at a ground-breaking price-performance ratio. Switch on, aim, know more.



## Ordering data

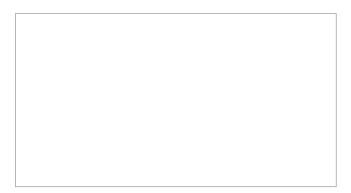
## testo 865

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

Order no. 0560 8650



Infrared image output		
Infrared resolution	160 x 120 pixels	
Thermal sensitivity (NETD)	120 mK	
Field of view/min.	31° x 23° /	
focusing distance	< 0.5 m	
Geometric resolution (IFOV)	3.4 mrad	
testo SuperResolution	320 x 240 pixels	
(Pixel/IFOV)	2.1 mrad	
Image refresh rate	9 Hz	
Focus	Fixed focus	
Spectral range	7.5 to14 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	<ul> <li>✓</li> </ul>	
Measurement		
Measuring range	-20 to +280 °C	
Accuracy	±2 °C, ±2 % of measured value	
Emissivity /	0.01 to 1 / manual	
reflected temperature		
compensation		
Measurement functions	<b>3</b>	
Analysis functions	Mean point measurement,	
	hot/cold-spot recognition, Delta T,	
testo ScaleAssist	<i>✓</i>	
IFOV warner	<ul> <li>✓</li> </ul>	



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), $\varepsilon$ = 0.95, temperature-proof up to +250 °C.	0554 0051	
Holster case	0554 7808	

g,		
I)		notice.
	-	hout no
	3	MIT
		cnange
		toc
		Subject t
		Sul

Imager equipment				
Lens	31° x 23°			
Video streaming	via USB			
Storage as JPG	<ul> <li>✓</li> </ul>			
Fullscreen mode	V			
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	<i>v</i>			
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			
Standards, tests				
EU directive	2014/30/EU			