

See more with the thermal
imager **testo 880**

NEW!



Technical data

	testo 880-1	testo 880-2	testo 880-3
Image specifications			
Infrared			
Optical field/min. focus distance		32° x 24° / 0,1 m (standard lens), 12° x 9° / 0,6 m (telephoto lens)	
Thermal sensitivity (NETD)		<0,1 °C at 30 °C	
Geometric resolution		3,5 mrad (standard lens), 1,3 mrad (telephoto lens)	
Image refresh rate	9 Hz	9 Hz outside, 33 Hz inside EU	
Focus		manual	manual + motorized
Detector type		FPA 160 x 120 pixels, a.Si, temperature-stabilized	
Spectral range		8 to 14 µm	
Visual			
Optical field/min. focus distance			33,2° x 25,2° / 0,4 m
Image size			640 x 480 Pixel
Image refresh rate			8 ... 15 Hz
Image presentation			
Image display	3,5" LCD with 320 x 240 Pixel		
Display options	IR image only	IR image only / real image only / IR and real image	
Video output		USB 2.0	
Video stream	9 Hz	25 Hz	
Colour palettes		8 options	
Measurement			
Temperature range		-20 to +100 °C 0 to +350 °C (switchable)	
Accuracy		±2 °C, ±2% of mv	
Minimum diameter measurement point	3 x 3 pixels: standard 10 mm at 1 m (standard lens), standard 4 mm at 1 m (telephoto lens)		
Switch-on time		40 s	
Humidity measurement and air temperature measurement with wireless probe (optional)			0 to 100 %RH / -20 to +70 °C td -20 to +70 °C (air temperature with NTC)
Accuracy wireless probe			±2 %RH / ±0,5 °C (air temperature)
Measurement functions	Standard measurement (1-point), 2-point measurement	Display of surface moisture distribution via manual input of humidity	Optional humidity measurement with wireless humidity probe
Reflected temperature compensation		manual	
Setting emissivity		Nine materials programmable, of which one user-defined (0.01 - 1.0)	
Image storage			
File format		.bmt; export possibility to in .bmp, .jpg, .csv	
Data storage device		SD card	
Store capacity		1 GB (approx. 800-1.000 images)	
Optics			
Standard lens (32°)		yes	
Telephoto lens (12°)	no		yes, optional
Laser measurement spot marking			
Classification of laser		635nm, Class 2	
Current supply			
Battery type	Fast charging, Li-ion battery, changeable on site		
Operating time	approx 5 h at 20 °C		
Charging options	in instrument/charger (optional)		
Mains operation	yes		
Output voltage	5 V / 4 A		
Ambient conditions			
Operating temperature range		-15 to +40 °C	
Storage temperature range		-30 to +60 °C	
Air humidity		20 % to 80 % non-condensing	
Protection class of housing		IP54	
Physical characteristics			
Weight	900 g		
Dimensions	152 x 106 x 262 mm		
Tripod mounting	yes		
Housing	ABS, diecast zinc		
PC software			
System requirements	Windows XP (Service Pack 2), Windows Vista, interface USB 2.0		
		2004 / 108 / EG	
		2 years	