

New

Pocket-sized thermal imager

testo 862 – Sharp thermal images, instantly
– compact, smart and ready to use in seconds

testo 862-1

testo 862-2

160 px
x
120 px

256 px
x
192 px



°C / °F

– Brilliant image quality

High resolution and thermal sensitivity reveal detailed thermal images. Fusion mode adds visual context for even greater clarity.

– Fast diagnostics

Built-in alarms, automatic Delta T calculation, hot and cold spot detection, and intelligent mold analysis speed up inspections and simplify your workflow.

– Wireless connectivity

Link testo 605i thermohygrometer and testo 770-3 clamp meter for more insights and comprehensive reports.

– Intuitive operation

A seamless, smartphone-like interface makes every task effortless.

– Rugged design

IP54-rated and 5ft drop-proof for reliable everyday use.

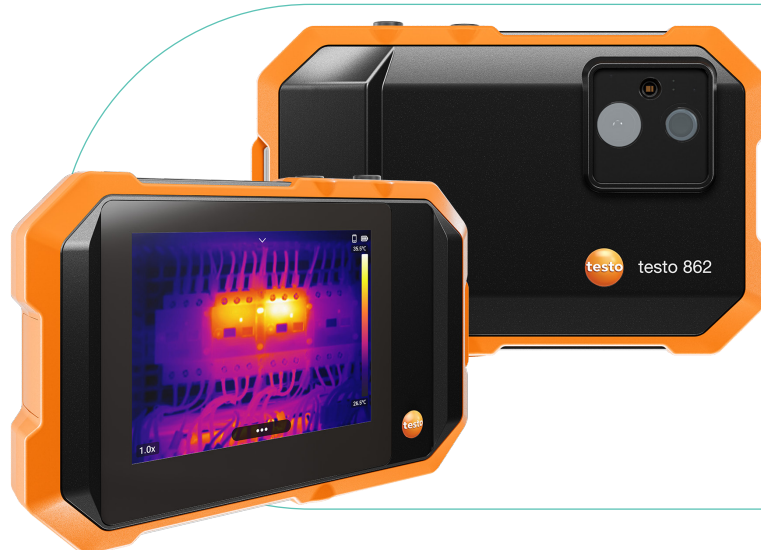
The testo 862 delivers fast thermal insights instantly and with ease. Its compact design makes it the ideal tool for quick spot checks across HVAC/R, industrial maintenance, facility management, and building applications.

High resolution and strong thermal sensitivity provide clear, detailed thermal images, while Fusion adds visual context for easier interpretation.

For greater efficiency in the field, smart features such as alarm function, automatic Delta T calculation, and intelligent mold detection support faster and more reliable decisions during inspections. Seamless connectivity to the testo 605i thermohygrometer and testo 770-3 clamp meter adds further confidence while also streamlining documentation.

With IP54 protection and 5ft drop resistance, the testo 862 is designed for tough environments on the job.

Ordering data



testo 862-1

160 x 120 px

Thermal imager with USB-C cable, lanyard and bag for safe transport



Order number
0560 8621

testo 862-2

256 x 192 px

Thermal imager with USB-C cable, lanyard and bag for safe transport



Order number
0560 8622

testo 862-2 Electrical Kit

256 x 192 px

Thermal imager with USB-C cable, lanyard and bag for safe transport including the testo 770-3 TRMS clamp meter with batteries and 1 set of measuring cables



Order number
0563 8622 05

testo 862-2 Mold Kit

256 x 192 px

Thermal imager with USB-C cable, lanyard and bag for safe transport including the testo 605i thermohygrometer with batteries



Order number
0563 8622 03

Technical data

	testo 862-1	testo 862-2
Infrared image output		
Infrared resolution	160 x 120 pixels	256 x 192 pixels
Thermal sensitivity (NETD)	< 50 mK @ +25°C (77°F)	
Field of view (FOV) / min. focusing distance	40°x 30°/ 0,25 m (10")	56°x 42°/ 0,25 m (10")
Geometric resolution (IFOV)	4.62 mrad	3.75 mrad
Image refresh rate	25 Hz	
Focus	Fixed focus	
Spectral range	8 µm to 14 µm	
Visual image output		
Visual resolution	2 MP	
Min. object distance VIS camera	0.2 m (8")	
Measurement		
Measurement range	-10 °C to 550 °C (14°F to 1,022°F)	
Accuracy	±2 °C (±3.6 °F)/ ±2 % of m.v. (@ +21 °C to +25 °C - 70°F to 77°F ambient temp)	
Emissivity / reflected temperature adjustment	0.01 to 1	
Measuring functions		
Analysis functions	Hot spot, cold spot, DeltaHeat, delta T, 5 adjustable spots, 3 regions of interest	
Application-specific measurement functions	DeltaHeat, humidity mode	
Humidity mode – manual	Yes	
Humidity measurement with humidity probe (optional)	Automatic transfer of the optional testo 605i thermohygrometer readings via Bluetooth directly to testo 862	
Electrical mode – manual	Yes	
Electrical measurement with clamp meter	Automatic reading transfer of the optional testo 770-3 clamp meter via Bluetooth directly to testo 862	
Image presentation		
Image modes	IR / Visual / Fusion / Picture in Picture / humidity mode	
Video mode	Non-radiometric videorecording in instrument (AVI)	
Fullscreen	Yes	
Color palettes	Iron, rainbow, rainbow HC, cold-hot, blue-red, grey, inverted grey, sepia, Testo, iron HT, humidity palette	
Digital zoom	Yes (testo 862-1 maximum zoom: 4.0X, testo 862-2 maximum zoom: 6.0X)	

	testo 862-1	testo 862-2
File format	bmt, jpg	
Image storage capacity	12 GB available for user	
Power supply		
Battery type	Integrated Li-ion rechargeable battery	
Battery life	3 h @ +25 °C (77°F)	
Charging interface	USB-C	
Charging time	Approx. 170 min; 15-min charge of an empty battery equals 25-min of operation	
Ambient conditions		
Operating temperature range	-10 to +50 °C (14°F to 122°F)	
Storage temperature range	-20 to +70 °C (-44°F to 158°F)	
Air humidity	5 to 95 % RH, non-condensing	
Housing protection class (IEC 60529)	IP54	
Impact resistance test	1.5 m (5ft)	
Device shock	IEC 60068-2-27 with 30 g	
Packaging vibration	ISO2247:2000-03	
Physical features		
Weight	7.6oz (only device, no lanyard or bag)	
Dimensions	135 x 88 x 25 mm (5.3" x 3.5" x 1")	
Tripod socket	1/4" UNC thread	
Compatibility – testo Smart App		
External probes	testo 605i thermohygrometer testo 770-3 clamp meter	
testo Smart App	Availability expected in 2027	
PC software testo IRSofT	Yes, free of charge	
Data interfaces		
USB	USB-C	
WLAN	Communication with the testo Smart App (expected 2027); WLAN: IEEE 802.11b/g/n	
Bluetooth	Peer-to-peer for fast connection set-up, testo 605i, testo 770-3	