



testo 882 · Thermal imager

Instruction manual



3 Specifications

3.1. Use

The testo 882 is a handy and robust thermal imager. It opens the door to contactless determination and illustration of the temperature distribution on surfaces for you.

Typical areas of application are:

- Building inspection (heating, ventilation and air conditioning trade, company technicians, engineering offices, experts): Energy evaluation of buildings
- Preventative maintenance (servicing): Mechanical and electrical inspection of systems and machines
- Production monitoring (quality assurance): Monitoring production processes

Basic properties:

- High-quality wide-angle lens 32° x 23°, detector 320 x 240, NETD < 50 mK, 2 GB SD card for approx. 1000 images, minimum focus distance 20 cm, integrated digital camera with power LEDs for illumination, dynamic motorfocus, isotherm, min./max. on area, audio comments, display of surface moisture distribution (real-time display with optional radio humidity probe), high-temperature filter (optional)

Export control

Thermal imagers may be subject to the export restrictions of the European Union.

The testo 882 with 33 Hz in particular can only be exported to countries outside of the European Union with an export permit from the authorities.

Please observe the national regulations for export control when exporting.

3.2. Technical data

Infrared image output

Characteristic	Values
Field of vision/min. focusing distance	Standard lens: 32° x 23°/0.2 m (0.66 ft)
Thermal sensitivity (NETD)	<50 mK at 30 °C (86 °F)
Geometric resolution	Standard lens: 1.7 mrad
Refresh rate	33 Hz within EU, 9 Hz outside of EU
Focus	manual + motorized
Detector type	FPA 320 x 240 pixels, a.Si
Spectral range	8 - 14 µm

Visual image output

Characteristic	Values
Field of vision/min. focusing distance	33° x 25°/0.4 m (1.31 ft)
Image size	640 x 480 pixels
Refresh rate	8 to 15 Hz

Image presentation

Characteristic	Values
Image display	3.5" LCD with 320 x 240 pixels
Display options	Infrared image/real image/infrared and real image
Video stream	25 Hz
Colour palettes	9 options

Standards, tests, warranty

Characteristic	Values
EU Directive	2014/30/EC
Vibration	IEC 60068-2-6
Warranty	2 years, warranty conditions: see website www.testo.com/warranty

