Be sure. testo



testo Thermography App

First choice for every job.

The new thermal imagers testo 865 – 872 have the best image in their class, making it easier than ever before for you to examine buildings and systems.

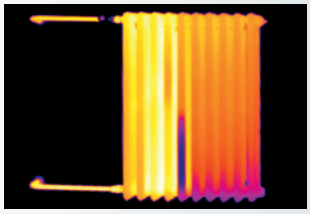


Only one of many new functions:
Networked and efficient thermal imaging
with the **testo Thermography App.**

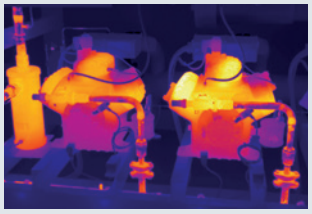
This is why you too need a thermal imager.

In contracting as well as in the industrial sector, you profit considerably from the use of a thermal imager:

- You carry out status-oriented servicing work and prevent expensive system downtimes.
- You overcome the limitations of a pyrometer by measuring not just individual points but whole surfaces.
- You deal with jobs such as leakage detection or tests on plants and building sections more quickly than before, thus saving time and money.
- You always provide best quality and ensure the satisfaction of your customers – for example by testing and impressively presenting the faultless fitting of insulation or the functionality of a heating system.
- You win new customers with your professional appearance, supported by a thermal imager.



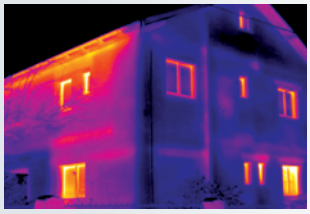
Ensure function and quality: Identify faults in radiators at a glance.



Save time and resources: Localize anomalies and leakages on pipelines.



Maintain systems: Identify excessively high temperatures in circuit breakers and electrical components before breakdowns can occur.



Detect energy losses from buildings: immediately identify and record thermal bridges in building fronts or shells.



Convincing features for efficient thermography.



High resolution and image quality
Up to 320 x 240 pixels – with testo SuperResolution, even up to 640 x 480 pixels. Image quality and resolution are ideal for all applications in contracting and industry.



Connection to App and other Testo measuring instruments.
Create and send compact reports on site with the testo Thermography App. Transfer the measurement values of the testo 605i hygrometer and the clamp meter testo 770 wirelessly to the the imagers, in order to identify mould danger or to complement thermal images with current/voltage values.



Automatic setting of emissivity
The testo ε-Assist function automatically sets the emissivity and temperature of the measurement object, thus facilitating precise thermography.



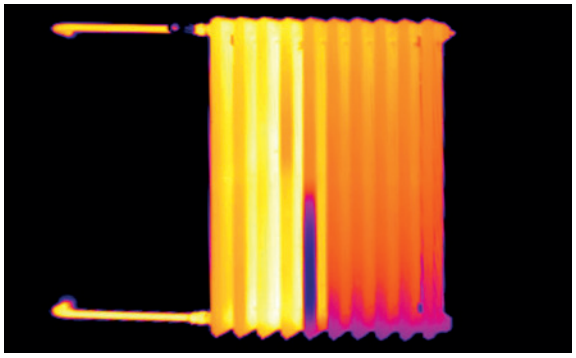
Objectively comparable images
testo ScaleAssist adapts the thermal image scale to the inner and outer temperatures of the measurement object, and the difference between them. This ensures comparable and error-free thermal images of the thermal insulation behaviour of a building.

The right model
for every measurement task.

testo 865
Switch on, aim, know more.



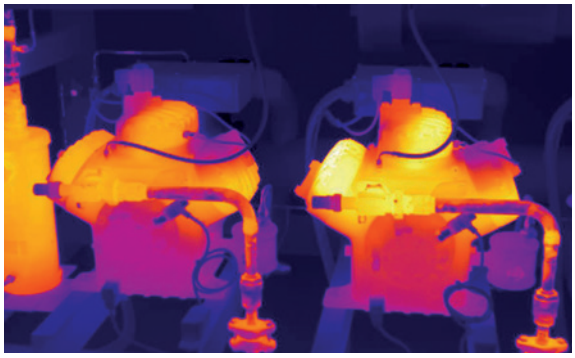
With 160 x 120 pixels, your ideal entry into thermography: Visualize temperature differences from 0.12 °C, and automatically recognize hot-cold spots.



testo 868
Smart and networked thermal imaging.



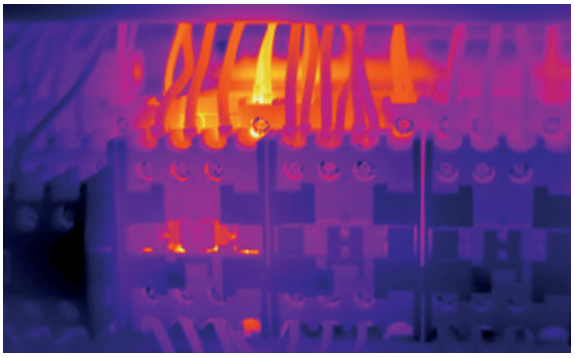
Integrated digital camera and 160 x 120 pixel thermal images in which temperature differences of 0.12 °C are visible. Incl. thermography App inn order to work more flexibly and send reports on site.



testo 871
Smart thermography for professional demands.



Resolution: 240 x 180 pixels, identify temperature differences from 0.09 °C. Incl. digital camera and testo Thermography App. Integrates measurement values from the thermohygrometer testo 605i and the clamp meter testo 770-3.



testo 872
Smart thermography with the highest image quality.



Professional thermal imager with 320 x 240 pixels, digital camera, laser marker and the certainty of identifying temperature differences from 0.06 °C. Integrates measurement values from the thermohygrometer testo 605i and the clamp meter testo 770-3.



Precise thermal images are easy with these functions.

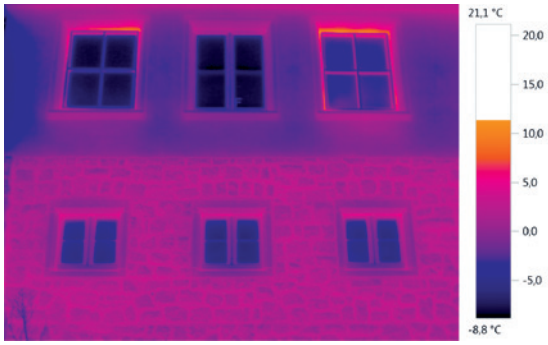
testo ScaleAssist:
Comparable thermal images

With testo ScaleAssist, the correct evaluation of construction errors and thermal bridges is easier than ever before. The function automatically sets the optimum thermal image scale. This prevents interpretation errors which can be caused by a false evaluation of the scaling. Undesired extreme temperatures are automatically filtered out of the image, and are only represented as such when they really are present. This makes infrared images comparable in spite of altered ambient conditions. This is of great significance in before-and-after images, for example.

Without **testo ScaleAssist**



With **testo ScaleAssist**



IFOV warner: You always know what can be measured precisely from a certain distance.

testo ε-Assist:
Set emissivity automatically

For precise thermal images, it is important to set the emissivity (ε) and the reflected temperature (RTC) of the object being examined in the imager. Previously, this was complicated, and with regard to the reflected temperature, less than accurate. This changes with testo ε-Assist:

Simply attach one of the reference stickers (ε-markers) included in delivery to the measurement object. Via the integrated digital camera, the thermal imager recognizes the sticker, determines the emissivity and reflected temperature and sets both values automatically.

Attach **testo ε-marker** and record the object with the digital camera in the thermal imager.



ε and RTC are automatically determined.



Precise **thermography** of object.



Work smart and networked.

The testo Thermography App

With the free testo Thermography App, available for iOS and Android, compact reports can be made quickly, saved online and sent by e-mail. Apart from this, the App offers useful tools for fast analysis on site – for example for inserting additional measurement points, determining the temperature development via a line or adding comments to a thermal image. Also very useful: With the App you can transmit thermal images live to your smartphone/tablet, and can use it as a second display – for example for your customers.

testo Thermography App for testo 868 / 871 / 872
Download now for iOS or Android free of charge:

GET IT ON Google Play

Download on the App Store



Connectivity with testo 605i and testo 770-3

The thermal imagers can be connected wirelessly with the thermohygrometer testo 605i and the clamp probe testo 770-3. The measurement values of both compact measuring instruments are transmitted to the imagers by Bluetooth. This allows you to identify quickly and clearly in the thermal image where exactly in a building damp spots are located or at what load a switching cabinet is running.



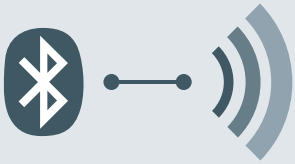
The clamp meter testo 770.

- Easy to operate thanks to the fully retractable pincer arm
- Auto AC/DC and large two-line display
- Improved TRMS method

The thermohygrometer testo 605i

- Compact professional measuring instrument from the Testo Smart Probes series
- Measures air temperature and relative humidity
- Space-saving and easy to transport





The thermal imager testo 871 / 872





The thermal imagers in comparison.

	testo 865	testo 868	testo 871	testo 872
Infrared resolution	160 x 120 pixels (with testo SuperResolution 320 x 240 pixels)	160 x 120 pixels (with testo SuperResolution 320 x 240 pixels)	240 x 180 pixels (with testo SuperResolution 480 x 360 pixels)	320 x 240 pixels (with testo SuperResolution 640 x 480 pixels)
Thermal sensitivity (NETD)	< 120 mK	< 100 mK	< 90 mK	< 60 mK
Measuring range	-20 to +280 °C	-30 to +650 °C	-30 to +650 °C	-30 to +650 °C
Field Of View (FOV)	31° x 23°	31° x 23°	35° x 26°	42° x 30°
App connection via wireless LAN	–	✓	✓	✓
Integrated digital camera	–	✓	✓	✓
IFOV warner	✓	✓	✓	✓
testo ScaleAssist	✓	✓	✓	✓
testo ε-Assist	–	✓	✓	✓
Connection of testo 605i and testo 770-3 via Bluetooth	–	–	✓	✓
Laser marker	–	–	–	✓

Thermal imagers from Testo.

Ever since Testo was established in 1957, the company has gained experience in temperature measurement – which forms the basis of thermography. In 2007 we launched the first thermal imager developed entirely in Germany on the market. Ever since then, our thermal imagers have been manufactured exclusively in Germany – this enables us to maintain the consistent and very high quality of the instruments.

At our site in Baden-Württemberg, highly-qualified staff are working on developing practical functions and new technologies for the thermal imagers of the future. Our developers and product managers always work together with practitioners such as heating engineers, electricians, building contractors, service engineers and facility managers. Because being aware of the exact requirements of our target groups is the only way to ensure that we develop thermal imagers which enable them to view their systems and processes in a whole new light.

Be sure. testo

Models and accessories.

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



testo 868

Thermal imager testo 868 with wireless LAN module, USB cable, mains unit, Lithium ion rechargeable battery, pro software, 3 x testo ε-markers, quick-start guide, short instructions, calibration certificate and case

Order no. 0560 8681



testo 871

Thermal imager testo 871 with BT/wireless LAN module, USB cable, mains unit, Lithium ion rechargeable battery, pro software, 3 x testo ε-markers, quick-start guide, short instructions, calibration certificate and case

Order no. 0560 8711



testo 872

Thermal imager testo 872 with BT/wireless LAN module, USB cable, mains unit, Lithium ion rechargeable battery, pro software, 3 x testo ε-markers, quick-start guide, short instructions, calibration certificate and case

Order no. 0560 8721



Accessories	Description	Order no.
Additional battery	Additional Lithium ion rechargeable battery for extending the operating time.	0515 5107
Battery charging station	Desktop charging station for optimizing the charge time.	0554 1103
testo ε-markers	Ten markers for the testo ε-Assist function for the automatic determination of emissivity and reflected temperature.	0554 0872
Holster case		0554 7808
testo Thermography App	With the testo Thermography App, your smartphone/tablet becomes a second display, and a remote control for your thermal imager. In addition to this, you can use the App to create and send compact reports on site, and to save them online. **Download for Android or iOS now free of charge.**	

Compatible measuring instruments for more meaningful thermal images

Thermohygrometer testo 605i with smartphone operation, including batteries and calibration protocol

- Measurement of air humidity and air temperature
- Direct transmission of measurement values to the testo 872 thermal imager via Bluetooth and recognition of mould-risk spots with traffic-light system

Order no. 0560 1605



testo 770-3 clamp meter, including batteries and 1 set of measuring cables

- Easy to operate thanks to the fully retractable pincer arm
- Auto AC/DC and large two-line display
- Transmission of measurement values to the testo 872 thermal imager via Bluetooth

Order no. 0590 7703



2981 4144/msp/l/08.2018 Subject to change, including technical changes, without notice.

www.testo.com