NEW!



See more with the NEW testo 880 thermal imager

-- --







Infrared radiation cannot be seen by the human eye. All objects whose temperature is above absolute zero (approximately -273 degrees centigrade), emit infrared radiation.

Thermal imagers can convert infrared radiation into electric signals and display a thermal image.

With the excellent image quality of the testo 880, even the smallest temperature differences can be displayed. Exchangeable lenses ensure that the optimum image is always possible.

The integrated digital carnera makes documenting images easie

Unique in thermal imagery, the testo 880 measures surface humidity with real-time humidity measurement, for identification and display of mould risk areas.



...OFFER MORE.

Mobile thermal imagers scan equipment or buildings and transform infrared radiation into visible thermal images with which a qualitative and quantitive analysis of temperature can be conducted.

Portable thermal imaging cameras are used in building inspection surveys as well as in mechanical and electrical inspections for preventive service and maintenance. They are used for monitoring buildings and production processes as well as for technical diagnostics.

A thermal magnet is able to detect thermal anomative, thus making the search to encross and the early implementation of preventive measures possible. Thermal imaging is able to thoroughly check imaterials and components without interference and exposes problem areas such as the spots before a malanchoric can accord. While other methods require production to be halted, or pipe systems to be dismanticed, with the theol 808 as single given is sufficient.



Buildings

Infrared technology is ideal for fast and effective analysis of building energy losses.

Electrical maintenance inspections

In low, medium and high voltage systems, infrared thermography allows an evaluation of the level of heating. This enables detective components or connections to be identified early and the required privaritive steps taken, thus minimizing the danger of fire and helping to avoid costly downtimes.

In addition to the infrared image, a real image of the measurement site can be recorded with the integrated digital camera. The allocation of the real image to the infrared image is carried out by the software.



Building surveys

Leakages in underfloor heating

The testo 880 is ideal for pinpointing leakages in underfloor heating or other inaccessible pipe systems.

Industrial thermography

Production monitoring

The testo 880 allows you to look thermally at many production processes, allowing precise analysis of quality assurance and process monitoring.



Identifying potential mould spots

With the unique wireless humidity probe capability, the testo 880 offers real time humidity measurement, identifying potential mould risk areas in buildings and houses.

Mechanical maintenance inspections

Infrared measurements also offer multiple possibilities for use in industrial preventive maintenence.

Heat development, especially in mechanical components can indicate strain caused by friction, incorrect adjustment and excessive tolerances of the components or insufficient lubrication. With its high temperature resolution, the texto 880 provides an exact degress.



Accurate results thanks to precise and reliable measurements



Thermal resolution <0.1°C

Large display, 320 x 240 pixels

"inside EU, 9 Hz outside

Integrated digital camera with reliable diagnosis, even for the smallest temperature differences. illumination of dark areas













33 Hz real time image*

The dynamic motor focus with

...even at a short distance of 10cm.



testo 880 - value for money,

The easy to change, wide angle and telephoto lenses have a wide range of applications and the high quality germanium optics guarantee high performance.

The digital image which is shown inside the thermal image, enables easy identification and the IR protective class protects the lens from dust and scratches.

The simple joystick operation allows easy navigation, file creation and effortless data management.

Easy operation



identification



Digital image inside thermal image for easy On screen display of two measurement points for exact calculation of temperature differences

Detailed printout of inspection results

Integrated digital carriera

High-quality F1 lens with exchangeable IR protective glass

Power LEDs

Real time humidity

Dynamic motor focus

measurement by wireless

Versatile in a wide array of applications

The IR protective glass protects

telephoto lenses for a wide range the lens from dust and scratches.

USB connection

User defined fast selection buttons

SD card

Easy joystick operation for

image gallery.

navigating through menu and

Sufrace moisture can be displayed, identifying

potential mould-risk spots.

Easy to use menu

Easy navigation and file creation

for effortless data management.

Powerful IR software with full reporting

features included as standard with all versions

Easy to change wide angle and

of applications.

testo 880-3 Professional Set The professional thermal imager set offering unbeatable value for money!

In addition to the testo 880-3, the Professional Set contains:

- Telephoto lens - Spare battery

- Fast charger

Sunshield





The testo 880 range

testo 880-1

Entry level thermal imager for fast fault finding and guality assurance

Features

- High quality wide angle lens 32^e with F1 optics
- Image refresh rate 9 Hz
- Detector 160 x 120 interpolated to
- 320 x 240 pixels NETD < 0.1°C
- · Manual focus
- Data storage device SD, 1 GB for approx. 800-1000 images
- Minimum focus distance 10 cm

Included as standard

- · Powerful IR software with
- full reporting features - LISB cable
- Li-lon battery

testo 880-1

Part no. 0563 0880 V1

High quality robust case

testo 880-2

The mid range thermal imager kit offering extensive analysis functions. Telephoto lens upgrade option available.

Features

- High-quality wide angle lens 32* with F1 optics
- Image refresh rate 33 Hz
- Detector 160 x 120 interpolated to 320 x 240 pixels
- NETD < 0.1°C.
- Manual focus
- Data storage device SD, 1 GB for approx 800-1000 images
- Minimum focus distance 10 cm

Included as standard

- full reporting features
- LISR cable - Li-kn battery
- Lens protection class
- High quality robust case

testo 880-3

The professional thermal imager for complete analysis and real image documentation with

built-in digital camera and dynamic motor focus.

Features

- Built-in digital camera with power LEDs Dynamic motor focus
- Real-time display of surface moisture
- distribution with wireless humidity probe
- High quality wide angle lens 32'
- Image refresh rate 33 Hz
- Detector 160 x 120 interpolated to 320 x 240 pixels
- NETD < 0.1*C
- Manual tocus
- Data storage device SD, 1 GB for
- approx. 800-1000 images Minimum focus distance 10 cm

Included as standard

- · Powerful IR software with
- USB cable
- IR protective class
- High quality robust case

testo 880-3

Part no. 0563 0880 V3

Price: £4 995 00

testo 880-2

Pring \$4 295.00

Part no. 0563 0880 V2



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 # 30 °C				
Geometric resolution	3,5 n	wad (standard lens), 1,3 mrad (tele	photo lensi)			
Image refresh rate	9 Hz	9 Hz outsi	de, 33 Hz inside EU			
Focus	mi	intal	minual + motorized			
Detector type		FPA 160 x 120 pixels, a.Si				
Spectral range		8 to 14 µm				
Visual (Digital Camera)						
Optical held/min. Toous distance			33,2" x 25,2" / 0,4 m			
Interpretation of the			D-40 X 400 Posa			
In a gar restant take			0 15 Mz			
image presentation		2.511.00 with 200 x 240 Per				
Pregle deplay		3.5 LLLD WIN 320 X 240 P88	Piercon anto (and incom only / P			
Lingung operates	IR im	ige only	cred and income			
Virian metrod		188.20	and rear mage			
Virlan stream	9 Hz		25 Hz			
Colour relation		8 ontions				
Measurement						
Temperature range		-20 to +100 °C				
		0 to +350 °C (switcheble)				
Accuracy		a2 °C, a2% of mv				
Minimum diameter measurement point	3 x 3 pixels: standard 10	mm at 1 m (atandard lens), standa	rd 4 mm at 1 m (telephoto lens)			
Switch-on time		40 8				
Humidity measurement and air temperature			0 to 100 %/h / -20 to +100 °C td			
measurement with wineless probe (optional)			-20 to +70 °C (air temperature with NTC)			
Accuracy wireless probe			a2 %rh / a0,5 °C (8r temperature)			
Massurement functions	Standard measurement (1-point), 2-point measurement					
	Dewpoint calculation via manual input of humidity					
		surface hu	madity messurement			
			Optional humidity measurement with			
Part of the second seco			weakes numbery proce			
Personal temperature compensation	Mino protosiste -	manual commonwhite commonwhite in commonwhite commonwhite commonwhite commonwhite commonwhite in commonwhite commo	a defeered (0.01 - 1.05			
Impass steeres	PERMITTERACIONS	programmable, one or weather take				
Flafemit		ent execut possibility to in here in	00. City			
Data stream desire		SD ciert	Ng. 1488			
Streenanerity		1 GB (annung 800,1 000 imag	esi .			
Online						
Standard lens (32")		VIB				
Telephoto lens (127)	10	N N	a, optional			
Laser measurement spot marking						
Classification of later		635mm, Class 2				
Current supply						
Battery type	Fas	t charging, Li-ion battery, changest	de on site			
Operating time		approx 5 h at 20 °C				
Charging options		in instrument/charger (optional	4			
Mains operation		ynas				
Output voltage		6 V				
Ambient conditions						
Operating temperature range		-15 to +40 °C				
Storage temperature range		-30 to +80 °C				
Air humidity		20 % to 80 % non-condensin	9			
Protection class of housing		1954				
Physical characteristics						
Weight		900 g				
Dmensions		152 x 106 x 262 mm				
inpod mouning		yes				
noung		ABS				
PC software						
Dystem requirements	W	navino Al" (Dervice Pack 2), Winds				



Ordering information

	Order code	testo 880-1 0563 0880 V1	testo 880-2 0563 0880 V2	testo 880-3 0563 0880 V3	testo 880-3 Pro-Set 0563 0880 V4
Included as standard					
Lens protection glass	C1	0	•	•	•
Telephoto lens	A1	-		•	•
Additional battery	D1	0	0	0	•
Fast charger	E1	•		•	•
Sunshield	F1	0	0	0	•
Humidity measurement	B1	-	-	•	•

All imagers are delivered in a robust case including SD card, USB cable, software, mains unit and adapter plate for tripod mounting.

Standard
Optional - Not available

Accessories	Part no.	Price £
Aluminium tripod		
Professional, extremely light and stable aluminium tripod		
with quick release legs and 3-way tripod head	0554 8804	159.00
IR protective glass		
Special germanium protective glass		
for protection against dust and scratches	0554 8805	179.00
Additional battery		
Additional Li-ion battery to prolong operating time	0554 8802	68.00
Fast charger		
Desktop fast charger for two batteries to optimize charging time	0554 8801	139.00
Sunshield		
Special sunshield for the display of the testo 880 in bright surroundings	0554 8806	32.00
Retrofit telephoto lens		
(for testo 880-2 and -3)		On reques
Adhesive tape		
Adhesive tape e.g. for reflective surfaces (roll, L.: 10 m, B.: 25 mm), E=0.95	0554 0051	57.00
ISO calibration certificate for testo 880		
Calibration points at 0 °C, 25 °C, 50 °C in measuring range -20 °C to 100 °C	0520 0489	On request
Calibration points at 0 °C, 100 °C, 200 °C in measuring range 0 °C to 350 °C	0520 0490	On request
Freely selectable calibration points in the range -18 "C to 250 "C	0520 0495	On request





Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.

UK Office Keison Products, P.O. Box 2124, Chelmsford, Essex, CM1 3UP, England. Tel: +44 (0)330 088 0560 Fax: +44 (0)1245 808399 Email: <u>sales@keison.co.uk</u>

Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.