

## TECHNICAL DETAILS – testo 885

### General technical data

**Product colour**

Black

**Display lighting**

bright / normal / dark

### Infrared image output

**Infrared resolution**

320 x 240 pixels

**Focus**

auto / manual

**Image refresh rate**

33 Hz

**SuperResolution (IFOV)**

0.17 mrad (Super-telephoto lens)

**SuperResolution (Pixel)**

640 x 480 pixels

**Geometric resolution (IFOV)**

0.27 mrad (super-telephoto lens)

**Minimum focus distance**

2 m (Super-telephoto lens)

**Field of view**

5° x 3,7° (super-telephoto lens)

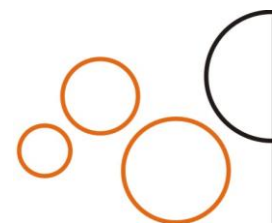
**Thermal sensitivity**

&lt; 30 mK at +30 °C

**Spectral range**

7.5 to 14 μm

\*inside the EU, outside 9 Hz



**Image output visual**

<b>Image size</b>	3.1 MP
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<b>Minimum focus distance</b>	0.5 m
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**Imager equipment**

<b>Digital camera</b>	Included
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<b>Process analysis package</b>	Optional
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<b>JPEG storage</b>	yes
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<b>Video streaming</b>	via HDMI
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<b>Video measurement</b>	up to 3 measurement points
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<b>Voice recording</b>	Bluetooth*****/wired headset
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<b>Laser</b>	Laser marker
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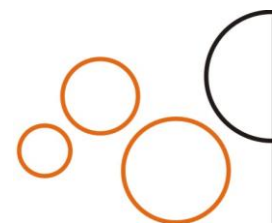
<b>Panorama image assistant</b>	Included
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<b>Power-LED</b>	Included
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<b>Standard lens</b>	5° x 3.7°
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<b>SiteRecognition</b>	Included
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<b>Interface</b>	Labview; Bluetooth®; USB 2.0; via HDMI
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**Imager equipment**

<b>Bluetooth</b>	Connection to the radio humidity probe and the Bluetooth® headset
<b>Fever detection</b>	Optional

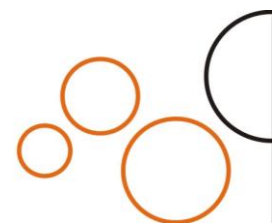
\*\*\*\* Bluetooth only in the EU, Norway, Switzerland, USA, Canada, Colombia, Turkey, Japan, Russia, Ukraine, India, Australia

**Image presentation**

<b>Display type</b>	4.3" LCD touchscreen with 480 x 272 pixels
<b>Digital zoom</b>	1x
<b>Display option</b>	IR image / real image
<b>Colours</b>	9 (iron, rainbow, rainbow HC, cold-hot, blue-red, grey, inverted grey, sepia, Testo)
<b>Video output</b>	USB 2.0, Micro HDMI

**Measurement**

<b>Measuring range</b>	-30 to +100°C; 0 to +350 °C (switchable); 0 to +650 °C (switchable)
<b>High temperature measuring</b>	+350 ... +1200 °C (not in connection with the telephoto lens)
<b>Accuracy</b>	±2 °C, ±2 % of m.v.
<b>Emissivity</b>	0.01; 1



**Measurement**

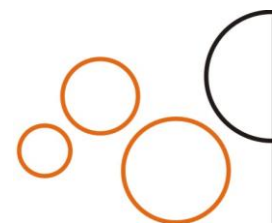
<b>Reflected temperature</b>	manual
<b>Transmission correction</b>	Included
<b>Accuracy high temperature</b>	$\pm 2$ °C, $\pm 2$ % of m.v.

**Measuring function**

<b>Surface moisture distribution</b>	Included
<b>Humidity measurement</b>	Optional
<b>Solar mode – manual</b>	Included
<b>Analysis function</b>	up to 10 measurement points, Hot/Cold Spot Recognition, up to 5 x area measurement (min/max & average), Isotherm and alarm values
<b>Humidity measurement with humidity measuring instrument</b>	with radio humidity probe; Automatic measurement value transfer of thermohygrometer testo 605i via Bluetooth (instrument must be ordered separately); Wireless permit in EU, EFTA, USA, Canada, Australia, Turkey; *Wireless humidity probes only in the EU, Norway, Switzerland, USA, Canada, Colombia, Turkey, Brazil, Chile, Mexico, New Zealand, Indonesia; Not included

**Imager storage**

<b>File format image</b>	.bmt; export option in .bmp; .jpg; .png; .csv; .xls
<b>File format video</b>	.wmv; .mpeg-1
<b>Storage device</b>	SD card 2GB (approx. 1500 - 2000 images)



**Power supply**

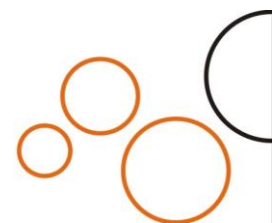
<b>Battery type</b>	Fast-charging, Li-ion battery can be changed on-site
<b>Operating time</b>	4.5 h
<b>Mains operation</b>	yes

**Ambient Condition**

<b>Air humidity</b>	20 to 80 % RH non-condensing
<b>Housing protection class</b>	IP54
<b>Vibration</b>	2G
<b>Storage temperature</b>	-30 to +60 °C
<b>Operating temperature</b>	-15 to +50 °C

**Physical specification**

<b>Tripod mounting</b>	1/4" - 20UNC
<b>Product-/housing material</b>	Plastic
<b>Weight</b>	1570 g
<b>Dimensions</b>	253 x 132 x 111 mm



**PC software****System requirements**

Windows 10; Windows 8; Windows 7 (Service Pack 1)

**Standards, tests, warrenty****EU-/EG-guidelines**

2004/108/EG

