Infrared image output

Infrared resolution	160 x 120 pixels
Focus	Fixed focus
Image refresh rate	9 Hz
SuperResolution (IFOV)	2.1 mrad
SuperResolution (Pixel)	320 x 240 pixels
Geometric resolution (IFOV)	3.4 mrad
Minimum focus distance	<0.5 m
Field of view	31° x 23°
Thermal sensitivity	100 mK
Spectral range	7.5 to 14 μm

Image output visual

Image size	at least 3.1 MP
Minimum focus distance	0.5 m

Image presentation

Display type	8.9 cm (3.5") TFT, QVGA (320 x 240 pixels)
Display option	IR image / real image
Colours	4 (iron, rainbow, cold-hot, grey)

Measurement

Measuring range	-30 to +100° C; 0 to +650° C
Accuracy	±2 °C, ±2 % of mv
Emissivity	0.01 to 1

Measurement

Reflected temperature	manual
testo ε-Assist	Included

Measuring function

Analysis function	Mean point measurement, hot/cold-spot recognition, Delta T
testo ScaleAssist	Included
IFOV warner	Included

Imager equipment

Digital camera	Included
Full screen mode	Included
JPEG storage	Included
Video streaming	via wireless LAN with testo Thermography App
Standard lens	31° x 23°
Interface	USB 2.0 Micro B
WLAN Connectivity	Communication with the testo Thermography App wireless module WLAN (EU, EFTA, USA, AUS, CDN, TR)

Imager storage

File format image	.bmt; export option in .bmp; .png; .csv; .xls; .jpg
Storage device	Internal Memory (2.8 GB)

Power supply

Battery type	Fast-charging, Li-ion battery can be changed on-site

Power supply

Operating time	4 h
Mains operation	yes

Ambient Condition

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

Physical specification

Product-/housing material	PC - ABS
Weight	510 g
Dimensions	219 x 96 x 95 mm

PC software

System requirements	Windows® 10; Windows® 8; Windows® 7

Standards, tests, warrenty

EU-/EG-guidelines	EMC: 2014/30/EU; RED: 2014/53/EU

General technical data

Product colour	Black
Display ligthing	bright / normal / dark