

Infrared image output

Focus	Fixed focus
Infrared resolution	320 x 240 pixel
Image refresh rate	9 Hz
SuperResolution (IFOV)	1.3 mrad
SuperResolution (Pixel)	640 x 480 pixels
Geometric resolution (IFOV)	2.3 mrad
Minimum focus distance	<0.5 m
Field of view	42° x 30°
Thermal sensitivity	60 mK
Spectral range	7.5 to 14 μ m

Image output visual

Minimum focus distance	1.64 ft. / 0.5 m
Image size	at least 3.1 MP

Image presentation

Display option	IR image / real image
Color palettes	10 (iron, rainbow, rainbow HC, cold-hot, blue-red, grey, inverted grey, sepia, Testo, iron HT)
Display type	8.9 cm (3.5") TFT, QVGA (320 x 240 pixels)
Digital zoom	2x; 4x

Measurement

Reflected temperature	manual
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Measurement

testo ϵ-Assist	Included
Measuring range	-30 to +100°C; 0 to +650°C
Accuracy	±2% of reading
Emissivity	0.01 to 1

Measuring function

Solar mode	Input of solar radiation value
Analysis function	Mean point measurement, hot/cold-spot recognition, Delta T, area measurement (min-max on area)
Humidity measurement with humidity measuring instrument	Automatic measurement value transfer of thermohygrometer testo 605i via Bluetooth (instrument must be ordered separately); Wireless permit in EU, EFTA, USA, Canada, Australia, Turkey
testo ScaleAssist	Included
Humidity mode - manual	Included
IFOV warner	Included
Electrical mode - manual	Input of current, voltage or power
Electrical measurement with clamp meter	Automatic measurement value transfer of clamp meter testo 770-3 via Bluetooth (instrument must be ordered separately); Wireless permit in EU, EFTA, USA, Canada, Australia, Turkey

Imager equipment

Digital camera	Included
Full screen mode	Included
JPEG storage	Included

Imager equipment

Video streaming	via wireless LAN with testo Thermography App
Laser	Laser marker
Standard lens	42° x 30°
Interface	USB 2.0 Micro B
WLAN Connectivity	Communication with the testo Thermography App wireless module BT/WLAN (EU, EFTA, USA, AUS, CDN, TR)
Bluetooth	Measurement value transfer from thermohygrometer testo 605i, clamp meter testo 770-3 (optional); Wireless permit in EU, EFTA, USA, Canada, Australia, Turkey

Imager storage

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

Power supply

Battery type	Fast-charging, Li-ion battery can be changed on-site
Operating time	4 hr
Power supply	yes
Charging options	In instrument / USB charger

Ambient Condition

Housing protection class	IP54
Vibration	2G
Air humidity	20 to 80 %RH non-condensing
Storage temperature	-22.0° to 140.0 °F / -30 to +60 °C

Ambient Condition

Operating temperature	5.0° to 122.0 °F / -15 to +50 °C
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Physical specification

Housing	PC - ABS
Weight	18.0 oz. / 510 g
Dimensions	9 x 4 x 4 in. / 219 x 96 x 95 mm

PC software

System requirements	Windows® 10; Windows 8; Windows 7
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Standards, tests, warrenty

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

Product colour	Black
Display lighting	bright / normal / dark