



Thermal Camera.

The FLIR TG165 Spot Thermal Cameras bridge the gap between single spot infrared thermometers and FLIR's legendary thermal cameras. Equipped with FLIR's exclusive Lepton® micro thermal sensor, these cameras let you see the heat so you know exactly where to target the measurement spot. Easily find unseen hot and cold spots for instant troubleshooting, and store images and data to show customers and include in reports.



FLIR TG165 SPECIFICATIONS

Model	TG165
Imaging and optical data	
Field of view (FOV)	50° x 38.6°
IR resolution	80 × 60 pixels
Thermal sensitivity/NETD	< 150 mK
Minimum focus distance)	0.1 m (4 in.)
Image frequency	9Hz
Focus	Focus free
Detector data	
Detector type	Focal plane array (FPA), uncooled microbolometer
Spectral range	8–14 μm
Image presentation	
Display	2.0 in. TFT LCD

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Measurement	
Object temperature range	-25 to +380°C (-13 to +716°F)
Accuracy	±1.5% or 1.5°C (2.7°F)
Distance to spot ratio	24:1
Minimum measurement distance	26 cm (10 in.)
Center spot	Yes
Color palettes	Hot Iron, Rainbow, Grayscale
Image Storage	
Memory type	Micro SD card
Image storage capacity	75 000 pictures with included 8 GB Micro SD card
Memory expansion	32 GB SD card maximum
Saved image format	Bitmap (BMP) image with temperature and emissivity
Laser pointers	
Laser	Dual diverging lasers indicate the temperature measurement area, activated by pulling the trigger
Power system	



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Battery type	Rechargeable Li ion battery
Battery voltage	3.7 V
Battery operating time	>5 hours of continuous scanning with lasers
Battery charge life	30 days minimum
Charging system	Battery is charged inside the camera
Charging time	4 hours to 90%, 6 hours to 100%
Power management	Adjustable; OFF, 1 min., 2 min., 5 min., 10 min.
Environmental data	
Operating temperature range	-10 to +45°C (+14 to 113°F)
Storage temperature range	-30 to +55°C (-22 to 131°F)
Humidity (operating and storage)	0-90% RH (0-37°C (32-98.6°F)), 0-65% RH (37-45°C (98.6-113°F)), 0-45% RH (45-55°C (113-131°F))
Physical data	
Camera weight, incl. battery	0.312 kg (11 oz.)
Camera size (LxWxH)	186 mm × 55 mm × 94 mm (7.3 in. × 2.2 in. × 3.7 in.)
Tripod mounting	1/4 in.-20 on handle bottom

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Includes	Wrist strap lanyard, 8 GB Micro SD card, power supply with separate USB cable, printed documentation
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