



FLIR TG165/TG167

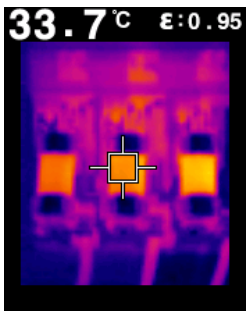
Spot thermal camera

The FLIR TG165 / TG167 Spot Thermal Camera bridge the gap between single spot infrared thermometers and FLIR's thermal cameras. Equipped with FLIR's exclusive Lepton® micro thermal sensor, the TG165 / TG167 let you see the heat so you know where to reliably measure it.

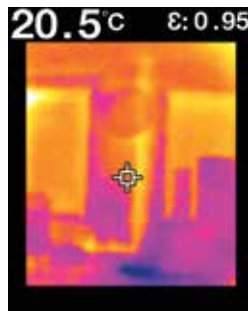
The TG165 is useful for building applications, like HVAC inspections, or locating a warm pipe in a wall. The wider field of view (50° horizontal) makes it easy to frame an entire wall in a single image.

The TG167 is primarily designed for indoor electrical inspections; if you are an electrician looking for hotspots in electrical cabinets or switch boxes, the TG167 will produce higher quality images because the camera is optimized for targets in a narrow field of view (25° horizontal).

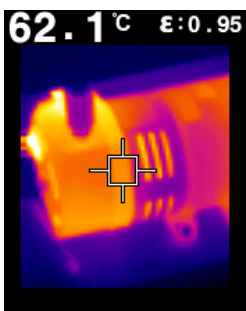
Both versions allow you to store images and download data so that you can document your findings in a report.



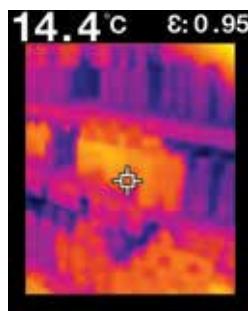
Electrical Troubleshooting



Warm Pipe in Wall



Mechanical Overheating



Refrigeration Issues

See the Heat™ - Speed Troubleshooting

FLIR's Innovative Lepton® IR Imaging Engine

- Instantly shows what's hot and where to aim
- Eliminates blind guesswork
- 24:1 spot size ratio for safer distance measuring

Grab and Go Simplicity

Fire It Up and Get to Work in Seconds

- Intuitive to operate with no special training required
- Easily save images and data for documentation
- Download images fast over USB or from removable micro SD

Rugged and Reliable

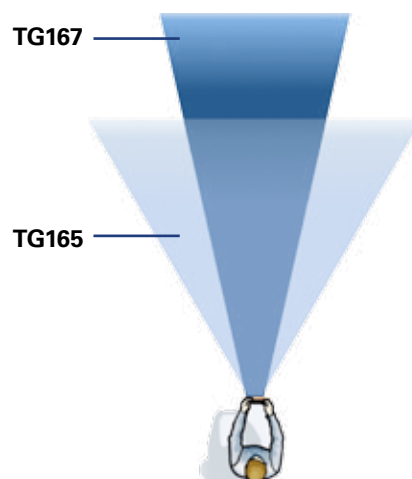
Designed for the Harshesht Environments

- Built to withstand a 2 meter drop
- Covered by FLIR's exclusive 2-10 warranty
- Compact and durable to easily stow in a crowded tool bag

SPECIFICATIONS

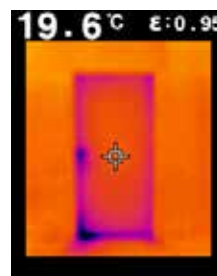
Model	TG165	TG167
Imaging and optical data		
IR resolution	80 x 60 pixels	
Thermal sensitivity/NETD	< 150 mK	
Field of view (FOV)	50° x 38,6°	25° x 19,6°
Minimum focus distance	0.1 m (4 in.)	
Image frequency	9Hz	
Focus	Focus free	
Detector data		
Detector type	Focal plane array (FPA), uncooled microbolometer	
Spectral range	8-14 μm	
Image presentation		
Display	2.0 in. TFT LCD	
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		
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 x 55 mm x 94 mm (7.3 in. x 2.2 in. x 3.7 in.)	
Tripod mounting	1/4 in.-20 on handle bottom	
Includes	Wrist strap lanyard, 8 GB Micro SD card, power supply with separate USB cable, printed documentation	

Field of view (FoV) comparison



TG165

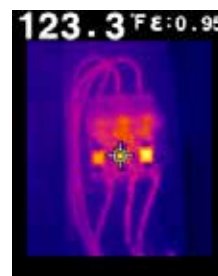
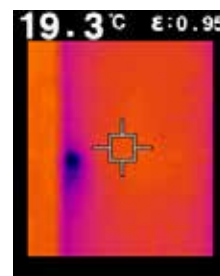
FOV 50° x 38,6°



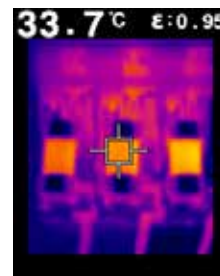
TG165 makes it easy to frame an entire wall in a single image

TG167

FOV 25° x 19,6°



TG167 gives you quality image detail on even small connectors and wires.



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