

# FLIR TG165

Imaging IR Thermometer



# Introducing the FLIR TG165 Imaging IR Thermometer

## FIND AN UNSEEN WORLD OF PROBLEMS ORDINARY METERS MISS

Bridging the gap between single spot IR thermometers and FLIR's legendary infrared cameras, the TG165 gives you the advantage of thermal imaging to help you discover temperature issues you can't see with typical spot radiometers. You'll work more quickly and have confidence you won't miss anything vital.

Equipped with FLIR's exclusive Lepton® micro thermal camera, the TG165 helps you identify heat patterns, reliably measure temperature, and store images and data for reports. And with a spot ratio of 24 to 1, you can take accurate readings from safer distances. The TG165 is simple to operate, featuring intuitive menu icons and dual laser pointers. Built by the world leader in thermal technology, the durable TG165 will quickly become your "go to" temperature tool.

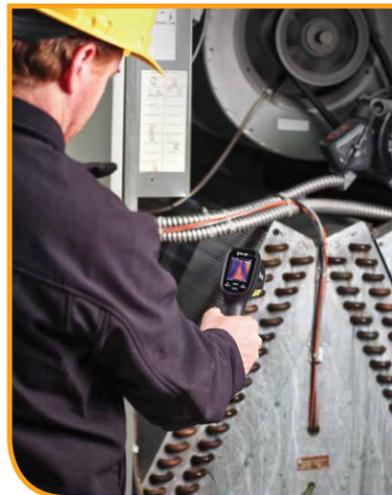
## KEY BENEFITS

- See heat issues clearly
- Measure temperature more accurately
- Document your work with images
- Trust the rugged durability
- Target the right spot
- Troubleshoot quickly
- Stay safer and more aware
- Fits every budget

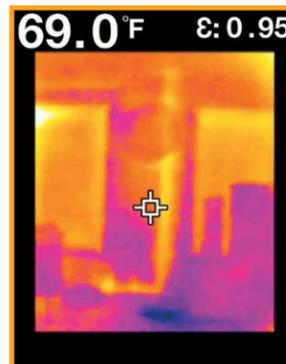


## KEY FEATURES

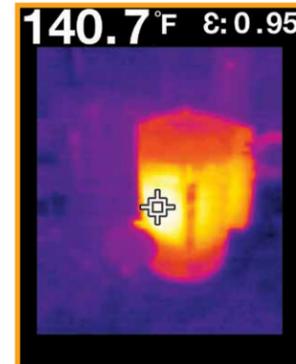
- 1 True Thermal Detection**  
– FLIR Lepton delivers best image quality in its class
- 2 Portable, Ergonomic Design**  
– Balanced, contoured grip
- 3 Tripod Mount / Lanyard Connection**
- 4 Simple to Operate**  
– Intuitive buttons and menu icons
- 5 Rugged and Reliable**  
– Withstands a 2-meter drop
- 6 Dual Pointer Lasers**  
– Frame your area of interest
- 7 Convenient Pull Trigger**  
– Activates lasers and freezes images
- 8 Store Images and Data**  
– Removable micro SD card, mini USB port for downloading images and charging internal battery



HVAC Inspections



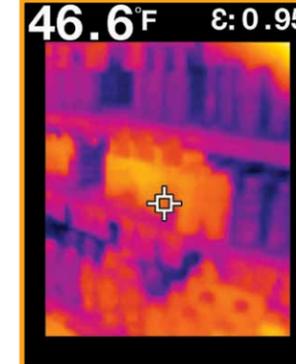
Warm Pipe in Wall



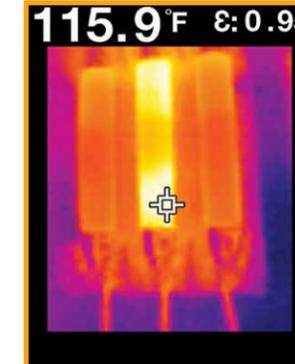
Mechanical Overheating



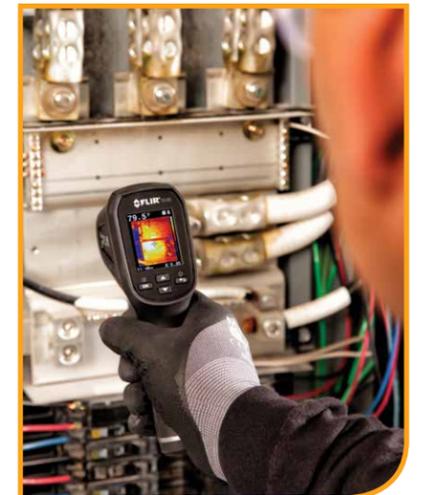
Predictive Maintenance



Refrigeration Issues



Hot Fuses



Electrical Troubleshooting

## SPECIFICATIONS

IR Temperature Measurement	
Basic Accuracy	+/- 1.5% or 1.5°C
Range	-25 to 380°C, -13 to 716°F
Emissivity	4 Pre-Set Levels with Custom Adjustment, 0.1 to 0.99
Dist. to Spot Ratio (D:S)	24:1
Measurement Resolution	0.1 °C / °F
Response Time	150 Milliseconds
Spectral Response	8 to 14µm
Lasers	Dual Diverging Lasers, Frames Temp Measurement Area
Thermal Imaging	
Imaging Detector	FLIR Lepton™ Microbolometer Focal Plane Array (FPA)
Shutter	Integrated Automatic Shutter
Image Resolution (H x W)	4,800 Pixels (80 x 60)
Spectral Response	8 to 14µm
Field of View (H x W)	50° x 38.6°
Upper Scene Range	127°C, 260°F (400K)
Thermal Imaging Sensitivity	150mK
Frame Rate	9 Hz
Color Palettes	2 (Grey Scale, Hot Iron)
Saved Image Format	Bitmap (BMP) Image with Temperature and Emissivity
General	
Unit Size (H x W x D)	7.3 x 2.2 x 3.7 in (186 x 55 x 94 mm)
Display Type	2.0 in TFT LCD
Display Resolution (W x H)	38,720 Pixels (176 x 220)
Battery	Rechargeable via Micro USB Lithium-ion Battery: 3.7V, 2600mAh
Auto Power Off	Yes, Adjustable with Disable
Battery Life Hours	Typical Use: Five 8-Hr Work Days; Continuous Use: 8 Hrs
Certifications	CE / CB / FCC / FDA
Memory	8Gb Micro SD Card
Operating Temperature	-10 to 45°C, 14 to 113°F
Drop Test	Designed for 2 Meter, 6.5 Feet
Tripod Mount	1/4 in - 20 on Handle Bottom
Warranty	2 Years Product, and 10 Years Thermal Imaging Detector when registered within 60 days of purchase.
Includes	Lanyard, USB Cable, International Charger (US, UK, EU, AU, CN) 8 Gb Micro SD Card, Technical Documentation

## ORDERING INFORMATION

<b>TG165</b>	<b>Imaging IR Thermometer</b>
<b>TA13</b>	<b>EVA Protective Case for TG165</b>
<b>TA14</b>	<b>Belt Holster for TG165</b>

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