

FLIR TG165

Spot Thermal Camera



The FLIR TG165 Spot Thermal Camera

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

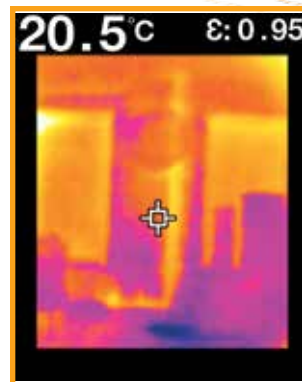


KEY FEATURES

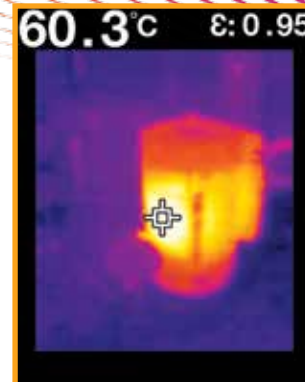
- 1 True Thermal Detection**
– FLIR Lepton delivers best image quality in its class
- 2 Portable, Ergonomic Design**
– Balanced, contoured grip
- 3 Tripod Mount / Lanyard Connection**
- 4 Simple to Operate**
– Intuitive buttons and menu icons
- 5 Rugged and Reliable**
– Withstands a 2-meter drop
- 6 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



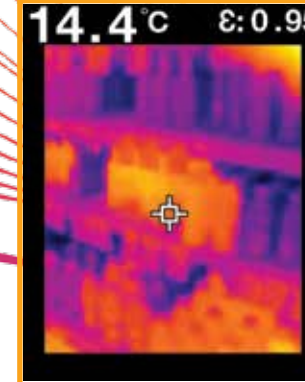
Warm Pipe in Wall



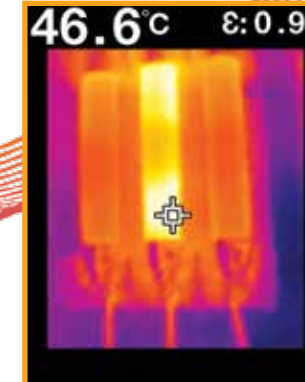
Mechanical Overheating



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

TG165	Imaging IR Thermometer
TA13	EVA Protective Case for TG165
TA14	Belt Holster for TG165

BELGIUM

FLIR Systems
Luxemburgstraat 2
2321 Meer
Belgium
PH: +32 (0) 3665 5100

BRAZIL

FLIR Systems Brasil
Av. Antonio Bardella, 320
Sorocaba, SP 18052-852
Brasil
PH: +55 15 3238 7080

HONG KONG

Asia Pacific Headquarters
FLIR Systems Co. Ltd.
Room 1613 -16, Tower 2,
Grand Central Plaza,
No. 138 Shatin Rural Committee Rd,
Shatin, New Territories, Hong Kong
Tel: +852 2792 8955

CHINA - SHANGHAI

FLIR Systems Co., Ltd.
K301-302, No. 26 Lane 168
Daduhe Road, Putuo District
Shanghai, 200062, P.R. China
PH: +86-21-5169 8628

KOREA

FLIR Systems Korea Co., Ltd
6th Floor, GuGu Building,
145-18, Samsung-Dong,
Kangnam-Gu, Seoul, Korea 135-090
Tel: +82-2-565-2714-7

JAPAN

FLIR Systems Japan K.K.
Meguro Tokyu Bldg. 5F,
2-13-17 Kami-Osaki,
Shinagawa-ku, Tokyo, 141-0021,
Japan
Tel: +81-3-6271-8648

AUSTRALIA

FLIR Systems Australia Pty Ltd
10 Business Park Drive
Notting Hill Vic 3168,
Australia
Tel: 1300 729 987
(NZ: 0800 785 492)

INDIA

FLIR Systems India Pvt Ltd,
1111, D-Mall, Netaji Subhash Place,
Pitampura, New Delhi - 110034,
INDIA
Tel: +91-11-4560 3555

PORTLAND

Corporate Headquarters
FLIR Systems, Inc.
27700 SW Parkway Ave.
Wilsonville, OR 97070
USA
PH: +1 866.477.3687

NASHUA

FLIR Systems, Inc.
9 Townsend West
Nashua, NH 02063
USA
PH: +1 866.477.3687

www.flir.com
NASDAQ: FLIR

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