Imaging IR Thermometer

P/N: TG165

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Customer support

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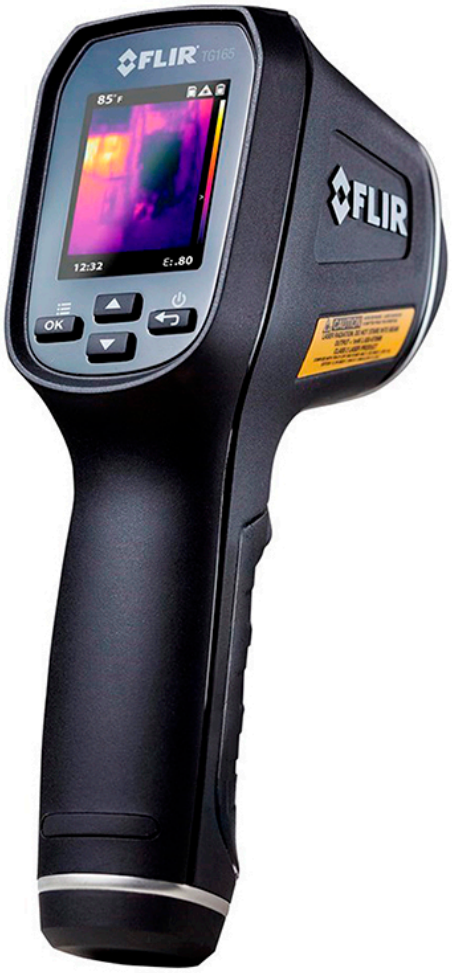

Part Number	TG165
Part Name	Imaging IR Thermometer

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Description	FLIR's new TG165 Imaging IR Thermometer bridges the gap between single spot IR thermometers and FLIR's legendary thermal cameras. Equipped with FLIR's exclusive Lepton™ micro thermal camera, the TG165 shows you where potential problems are brewing and where to aim your spot. The TG165 lets you see heat patterns, reliably measure temperature, and store images and data. Its menu uses intuitive icons, making it simple to operate. The TG165 also makes documentation easy by saving images you can download from the micro-SD card or over a USB connection and use for reports. With a spot ratio of 24 to 1, dual laser pointers, and a wide temperature range from 13°F to 716°F (-25°C to 380°C), the TG165 helps you capture reliable readings from safer distances. • See the Heat™ and speed up troubleshooting • Know where to measure temperature • Grab and go simplicity—no special training required • Pocket portable to fit a crowded tool bag • Rugged and reliable
IR Temperature Measurement	
Basic Accuracy	+/- 1.5% or 1.5°C
Basic Range	-25 to 380°C 14 to 716°F
Detailed Ranges & Accuracy	-25°C to -10°C ±3°C (-13 to 14 ±5°F) -10°C to 0°C ±2.0°C (14 to 32 +/- 4°F) 0°C to 380°C ±1.5°C or 1.5% whichever is greater (32 to 716°F +/- 3% or 3°F whichever is greater)
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, Indicate Temp Measurement Area, activated by pulling the trigger
Calibration	Soft button multi-point by Authorized FLIR Service Center
IR Temperature Merasurement Range	-25 to 380°C
IR Temperature Resolution	0.1°C
IR Temperature Response Time	<150ms
IR Thermometer Measurement Acquisition	Continuous Scanning
Emissivity	4-presets / adjustable 0.1 to 0.99
IR Thermometer Spectral Range	8-14µm
Min Measurement Distance	26cm (10")
Thermal Imaging	

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Imaging Detector	FLIR Lepton™ Microbolometer Focal Plane Array (FPA)
Shuttter	Integrated Automatic Shutter for Auto - Flat Field Correction
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)
Sensitivity	<150mK
Image Update Speed Frequency	9 Hz
Thermal Image Pallettes	2: Hot-Iron and Gray-scale
Thermal Image Min Focus Distance	10cm (4")
Power System	
Battery	Rechargeable via Micro USB Lithium-ion battery: 3.7V, 2600mAh
Auto Power Off	Yes, Adjustable with disable
Battery Charge Life	30 days min
Battery Life Hours	5+ Continuous Scanning with Lasers
Charging Time	90% at 4 hrs, 100% at 6 hours
Storage of Images	
Memory Type	Micro SD Card accessible via top flap
Saved Image Format	Bitmap (BMP) image with temperature & emissivity
Image Storage Capacity	75,000 Pictures with included 8Gb SD Card
Memory Expansion	32 Gb SD Card Max
File Format	BMP with Temperature Values Overlayed
General Information	
Display Type	2.0” TFT LCD
Display Resolution (W x H)	38,720 pixels (176 x 220)
Tripod Mount	1/4" - 20 on handle bottom
Warranty	2 yrs Product & 10 yrs Thermal Imaging Detector
Calibration	Multi-point by Authorized FLIR Service Center
Certifications	CE, FDA
Environmental Specifications	
Drop Test	Designed for 2 Meter, 6.5 Feet
Operating Temperature	-10 to 45°C 14 to 113°F
Storage Temperature & Relative Humidity	-22 to 131°F (-30 to 55°C) 0% to 90% RH [32°F to 98.6°F (0 °C - 37 °C)] 0% to 65% RH [98.6°F to 113°F (37 °C - 45 °C)] 0% to 45% RH [113°F to 131°F (45 °C - 55 °C)]

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Meter Physical Data	
Weight:	11 oz. (312g)
Unit Size (H x W x D)	7.3 x 2.2 x 3.7” (18.6 x 5.5 x 9.4 CM);
Material	PC-ABS, TPE
Color	Black, White, Silver
Shipping Information	
Packaging, type	Color giftbox with reveal of product in clamshell
Packaging, Contents:	TG165 Imaging IR Thermometer 8 Gb Micro SD Card (installed in unit) Quick Start Guide Printed Tranlsated User Manual (On SD Card, Accessible via USB Data and Power Micro USB Cord Wrist strap lanyard Switching USB Power Supply with multiple plugs (US, UK, EU, AU, CN, *KR) *pending KR Certification Warranty Registration Notice FLIR T&M and Cam Postcard Quality Management System Card
Each Dimensions (H × W × L):	34 x 15 x 12 cm (13.5 x 6 x 4.5")
Each Weight	0.85 kgs, 1.8 lbs
Master Carton Dimensions	74 x 32 x 38 cm, (30 x 13 x 15")
Master Carton Weight	26lbs (11.8Kg)
Carton Quantity	12
EAN-13	N/A
UPC-12	793950401651
Country of Orgin	China
Tariff Code	9025198080

Technical support	
Website	http://support.flir.com
E-mail	T&Msupport@flir.com
Phone	855-499-3662
Repairs	repair@flir.com

Accessories	
TA13..EVA Protective Case for TG16X	Instock 11/1/14
TA14..Belt Holster for TG16X	Instock 11/114

Modified Date	Modified By
Monday, August 18, 2014	T&M Engineering

Description

FLIR TG165, Units in mm