



FLIR TG167 (Global)

P/N: 74701-0104

Copyright

© 2016, FLIR Systems, Inc.

All rights reserved worldwide. Names and marks appearing herein are either registered trademarks or trademarks of FLIR Systems and/or its subsidiaries. All other trademarks, trade names or company names referenced herein are used for identification only and are the property of their respective owners.

Document identity

Publ. No.: 74701-0104

Release:

Commit: 33482

Language:

Modified: 2016-02-18

Formatted: 2016-02-18

Website

<http://www.flir.com>

Customer support

<http://support.flir.com>

Disclaimer

Specifications subject to change without further notice. Camera models and accessories subject to regional market considerations. License procedures may apply. Products described herein may be subject to US Export Regulations. Please refer to exportquestions@flir.com with any questions.



General description	
FLIR's new TG167 imaging infrared (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 FLIR TG167 shows you where potential problems are brewing and where to aim your spot. The FLIR TG167 lets you see heat patterns, reliably measure temperature, and store images and data. Its menu uses intuitive icons, making it simple to operate. The FLIR TG167 also makes documentation easy by saving images you can download from the Micro SD card or over a USB connection and use for reports.	
Key features	
<ul style="list-style-type: none">• 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.	
Imaging and optical data	
IR resolution	80 × 60 pixels
Thermal sensitivity/NETD	< 150 mK
Field of view (FOV)	25° × 19.6°
Minimum focus distance	0.1 m (4 in.)
Distance to spot ratio	24:1
Image frequency	9 Hz
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



FLIR TG167 (Global)

P/N: 74701-0104

© 2016, FLIR Systems, Inc.

#74701-0104; r. /33482;

Measurement	
Object temperature range	–25 to +380°C (–13 to +716°F)
Accuracy	±1.5% or 1.5°C (2.7°F)
Minimum measurement distance	26 cm (10 in.)
Measurement analysis	
Center spot	Yes
Color palettes	<ul style="list-style-type: none">• Hot Iron• Rainbow• Grayscale
Set-up	
Set-up commands	<ul style="list-style-type: none">• Local adaptation of units, language, date, and time formats• Deletion of images
Emissivity correction	4 pre-set levels with custom adjustment of 0.1–0.99
Storage of images	
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 minute, 2 minutes, 5 minutes, 10 minutes
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% relative humidity (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))
EMC	<ul style="list-style-type: none">• WEEE 2012/19/EC• RoHs 2011/65/EC• EN 61000-6-3• EN 61000-6-2• FCC 47 CFR Part 15 Class B
Magnetic fields	EN 61000-4-8
Encapsulation	IP 40 (IEC 60529)



FLIR TG167 (Global)

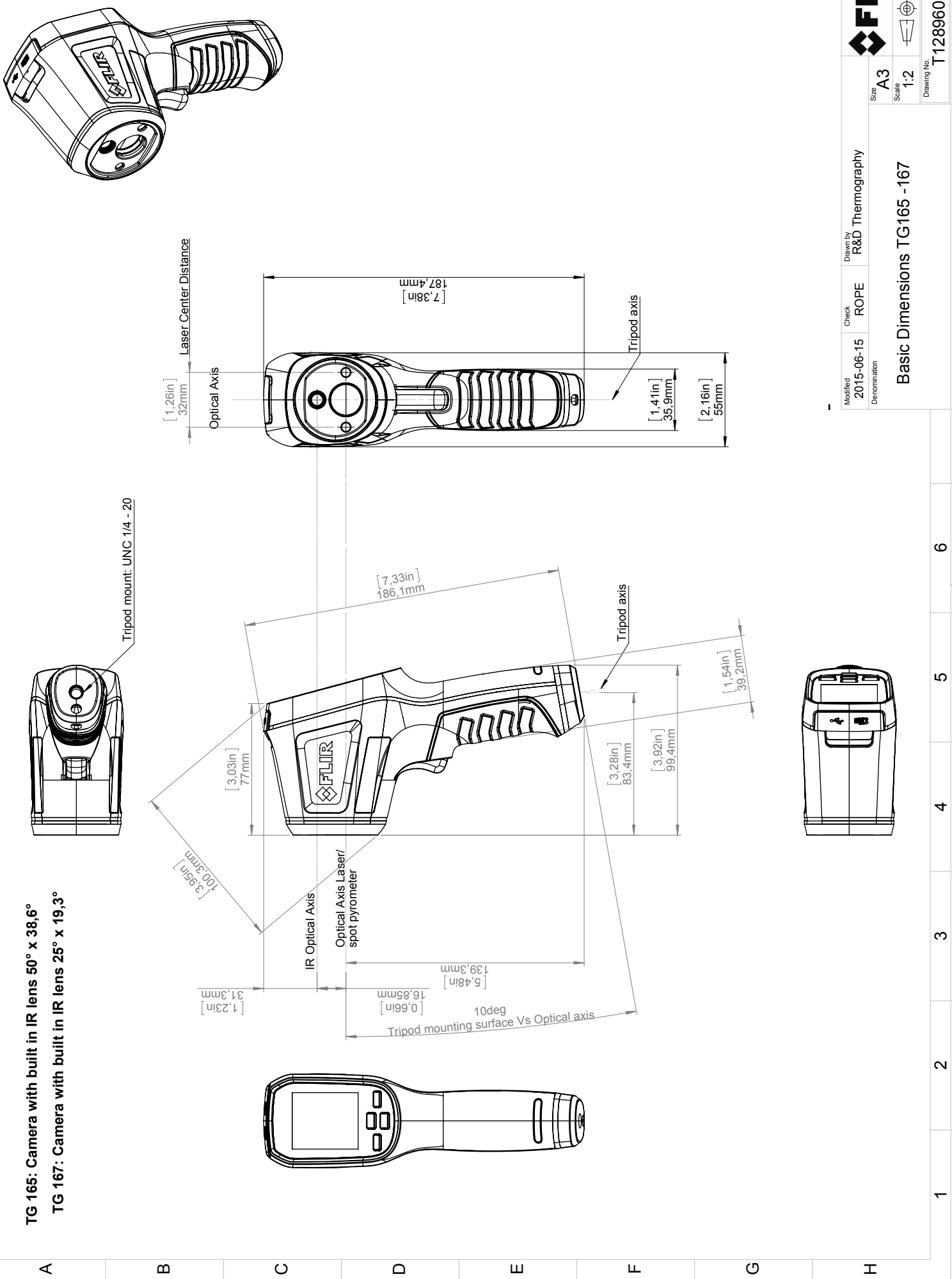
P/N: 74701-0104


© 2016, FLIR Systems, Inc.

#74701-0104; r. /33482;

Environmental data	
Shock	25 g (IEC 60068-2-29)
Vibration	2 g (IEC 60068-2-6)
Drop	Designed for 2 m (6.6 ft.)
Safety	CE, FCC, PSC, FDA
Physical data	
Camera weight, incl. battery	0.312 kg (11 oz.)
Camera size (L × W × H)	186 mm × 55 mm × 94 mm (7.3 in. × 2.2 in. × 3.7 in.)
Tripod mounting	1/4 in.-20 on handle bottom
Color	Black, white, silver
Material	PC-ABS, TPU
Shipping information	
Packaging, type	Color box with view of product in clamshell
List of contents	<ul style="list-style-type: none">• Imaging IR thermometer• 8 GB Micro SD card• Printed documentation• Wrist strap lanyard• Power supply with separate USB cable
Packaging, weight	0.85 kg (1.8 lb.)
Packaging, size	34 cm × 15 cm × 12 cm (13.5 in. × 6 in. × 4.5 in.)
EAN-13	7332558010877
UPC-12	845188011628
Country of origin	China

TG 165: Camera with built in IR lens 50° x 38,6°
TG 167: Camera with built in IR lens 25° x 19,3°



Modified	Check	Drawn by	
2015-06-15	ROPE	R&D Thermography	
Denomination			
Basic Dimensions TG165 -167			
Size	A3		
Scale	1:2		
Drawing No.	T128960		
			Sheet 1(1)
			Size A