FLIR TG130 (Global)

P/N: 74401-0104

Document identity

Publ. No.: 74401-0104
Release:
Commit: 41856
Language:
Modified: 2017-04-03
Formatted: 2017-04-03

Website

http://www.flir.com

Customer support

http://support.flir.com

General description	
FLIR's new TG130 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 TG130 shows you where potential problems are brewing and where to aim your spot. The FLIR TG130 lets you see heat patterns, reliably measure temperature. Its menu uses intuitive icons, making it simple to operate.	
Key features	
• 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
Display resolution	160 × 128 pixels
Thermal sensitivity/NETD	< 150 mK
Field of view (FOV)	55° × 43°
Minimum focus distance	0.1 m (4 in.)
Distance to spot ratio	15:1
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	1.8 in. TFT LCD

Measurement	
Object temperature range	–10 to +150°C (+14 to +302°F)
Accuracy	±4°C (±7.2°F)

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Measurement analysis	
Center spot	Yes
Color palettes	Iron

Set-up	
Temperature unit	Selectable: °C or °F
Emissivity	Fixed at 0.95

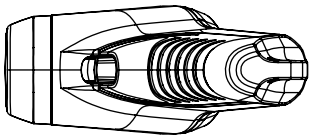
Power system	
Battery type	3 × AAA (LR03)
Battery operating time	4 hours of continuous scanning
Power management	Fixed; 5 min.

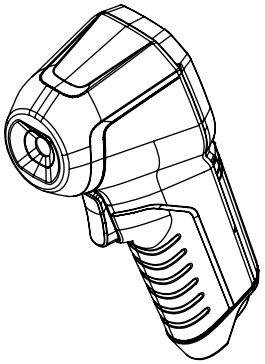
Environmental data	
Operating temperature range	–10 to +45°C (+14 to 113°F)
Storage temperature range	–40 to +70°C (–40 to 158°F)
Humidity (operating and storage)	IEC 60068-2-30/24 hours, 95% relative humidity, 25–40°C (77–104°F)/2 cycles
EMC	• WEEE 2012/19/EC • RoHs 2011/65/EC • C-Tick • EN 61000-6-3 • EN 61000-6-2 • FCC 47 CFR Part 15 Class B
Magnetic fields	EN 61000-4-8
Encapsulation	IP 40 (IEC 60529)
Shock	25 g (IEC 60068-2-29)
Vibration	2 g (IEC 60068-2-6)
Drop	Designed for 2 m (6.6 ft.)
Safety	CE/PSE/EN/UL/CSA 60950-1

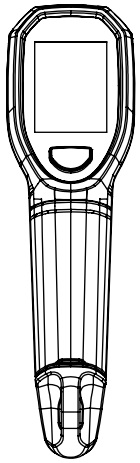
Physical data	
Camera weight, incl. battery	0.17 kg (0.38 lb.)
Camera size (L × W × H)	169 mm × 45 mm × 48 mm (6.6 in. × 1.8 in. × 1.9 in.)
Color	Black
Material	PC-ABS, TPU

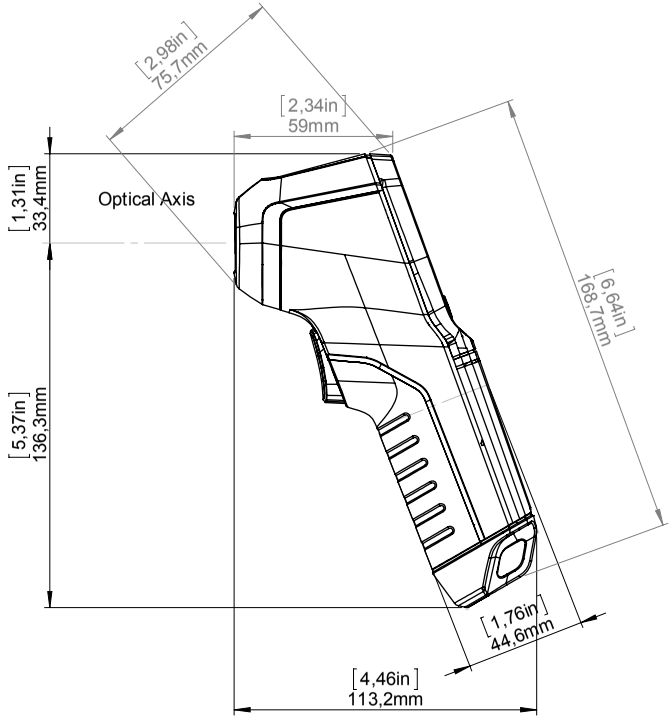
Shipping information	
Packaging, type	Cardboard box
List of contents	• Imaging IR thermometer • Printed documentation • Lanyard • 3 × AAA (LR03) batteries
Packaging, weight	0.33 kg (0.72 lb.)
Packaging, size	167 mm × 271 mm × 70 mm (6.6 in × 10.7 in × 2.8 in.)
EAN-13	7332558010884
UPC-12	845188011635
Country of origin	China

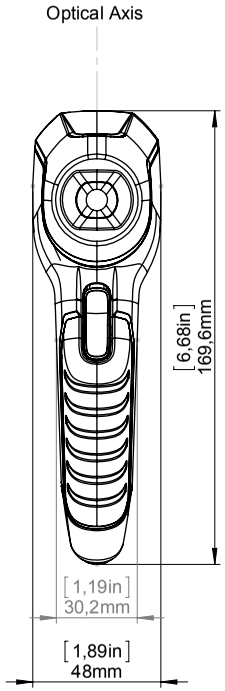
Camera with built in IR lens 50° x 38,6°

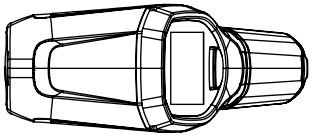












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Modified	Check	Drawn by
2015-06-15	ROPE	R&D Thermography

Denomination

Basic dimension TG-130

Size	Sheet
A3	1(1)

Scale 1:2

Drawing No.	Size
T128885	B

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March 14, 2016 AQ320167

CE Declaration of Conformity

This is to certify that the System listed below has been designed and manufactured to meet the requirements, as applicable, of the following EU-Directives and corresponding harmonizing standards. The systems consequently meet the requirements for the CE-mark.

Directives:

Directive 2014/30/EU:	**Electromagnetic Compatibility**
Directive 2011/65/EU:	**Restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS recast)**

Standards:

Information technology:	**EN 55022**	**Radio disturbance characteristics**
Information technology:	**EN 55024**	**Immunity characteristics**
RoHS:	**EN 62321**	**Testing and measuring equipment/allowed subcontracting**
	EN 50581	**Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances**

Additional standards:

Emission:	**EN 61000-6-3**	**Electromagnetic Compatibility Generic standards - Emission**
Immunity:	**EN 61000-6-2**	**Electromagnetic Compatibility Generic standards - Immunity**

System: **FLIR TG130, TG165, TG167**

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