

P/N: 74401-0104

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Website

<http://www.flir.com>

Customer support

<http://support.flir.com>

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General description	
<p>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.</p> <p>The FLIR TG130 lets you see heat patterns, reliably measure temperature. Its menu uses intuitive icons, making it simple to operate.</p>	
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
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)



FLIR TG130 (Global)

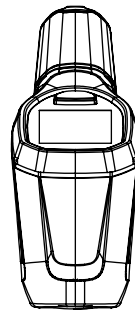
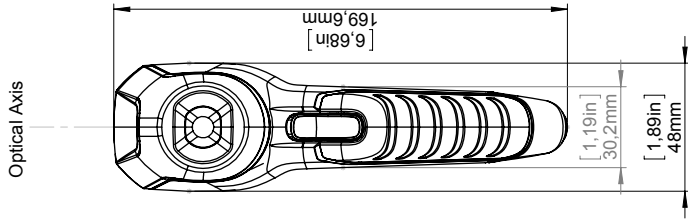
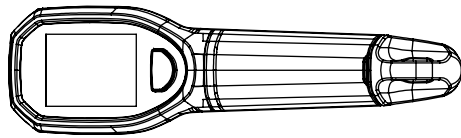
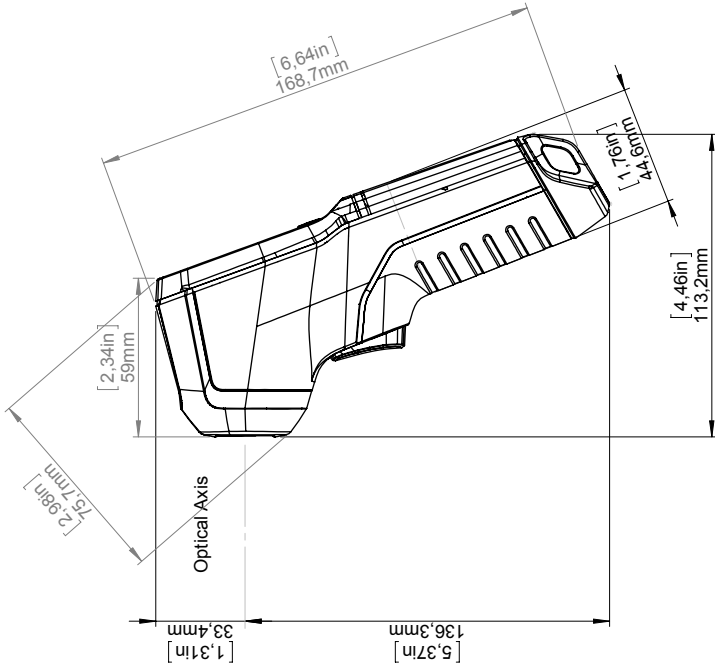
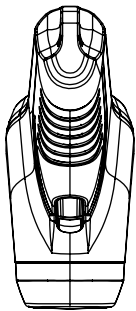
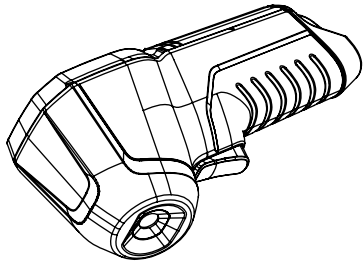
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Measurement analysis	
Center spot	Yes
Color palettes	Iron
Set-up	
Temperature unit	Selectable: °C or °F
Emissivity	Fixed at 0.95
Power system	
Battery type	3 × AAA (LR03)
Battery operating time	4 hours of continuous scanning
Power management	Fixed; 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	<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• 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°



Modified	2015-06-15	Check	ROPE	Drawn by	R&D Thermography	Size	A3
Denomination				Basic dimension TG-130			
				Scale	1:2	Sheet	1(1)
				Drawing No.	T128885	Size	B



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March 14, 2016

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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:

EN 61000-6-3

Electromagnetic Compatibility
Generic standards - Emission

EN 61000-6-2

Electromagnetic Compatibility
Generic standards - Immunity

System: FLIR TG130, TG165, TG167

FLIR Systems AB
Quality Assurance



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