

## P/N: 74402-0207

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### Document identity

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### Website

<http://www.flir.com>

### Customer support

<http://support.flir.com>

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<b>General description</b>	
<p>FLIR's new TG135 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 TG135 shows you where potential problems are brewing and where to aim your spot.</p> <p>The FLIR TG135 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"> <li>• See the heat and speed up troubleshooting.</li> <li>• Know where to measure temperature.</li> <li>• Grab and go simplicity—no special training required.</li> <li>• Pocket portable to fit a crowded tool bag.</li> <li>• Rugged and reliable.</li> </ul>	
<b>Imaging and optical data</b>	
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
<b>Detector data</b>	
Detector type	Focal plane array (FPA), uncooled microbolometer
Spectral range	8–14 μm
<b>Image presentation</b>	
Display	1.8 in. TFT LCD
<b>Measurement</b>	
Object temperature range	–10 to +150°C (+14 to +302°F)
Accuracy	±4°C (±7.2°F)



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<b>Measurement analysis</b>	
Center spot	Yes
Color palettes	<ul style="list-style-type: none"><li>• Hot-red (hot marker)</li><li>• Cold-blue (cold marker)</li><li>• Iron</li></ul>
<b>Set-up</b>	
Temperature unit	Selectable: °C or °F
Emissivity correction	User set levels with adjustment between 0.1 and 0.99
<b>Storage of images</b>	
Memory type	Internal memory only
Image storage capacity	25 images on camera
<b>Power system</b>	
Battery type	3 × AAA (LR03)
Battery operating time	4 hours of continuous scanning
Power management	Adjustable: 5 minutes, 10 minutes, infinity
<b>Environmental data</b>	
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"><li>• WEEE 2012/19/EC</li><li>• RoHs 2011/65/EC</li><li>• C-Tick</li><li>• EN 61000-6-3</li><li>• EN 61000-6-2</li><li>• FCC 47 CFR Part 15 Class B</li></ul>
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
<b>Physical data</b>	
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
<b>Shipping information</b>	
Packaging, type	Cardboard box
List of contents	<ul style="list-style-type: none"><li>• Imaging IR thermometer</li><li>• Printed documentation</li><li>• Lanyard</li><li>• 3 × AAA (LR03) batteries</li></ul>
Packaging, weight	0.33 kg (0.72 lb.)



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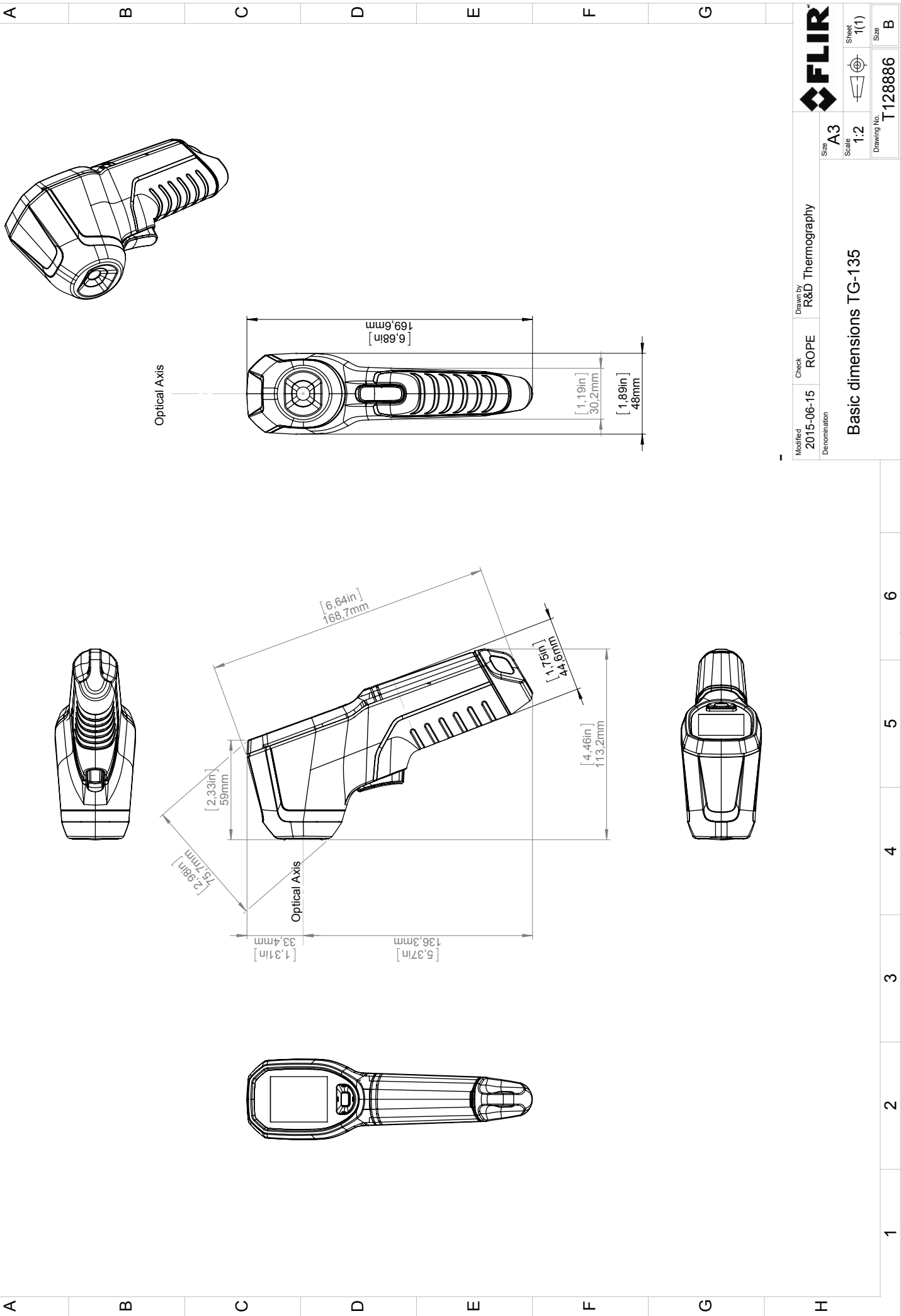
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Shipping information	
Packaging, size	167 mm x 271 mm x 70 mm (6.6 in x 10.7 in x 2.8 in.)
EAN-13	7332558010891
UPC-12	845188011642
Country of origin	China

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



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Modified 2015-06-15	Check ROPE	Drawn by R&D Thermography	FLIR
Denomination Basic dimensions TG-135		Size A3	Sheet 1(1)
		Scale 1:2	Drawing No. T128886
			Size B