FLIR TG268™

24:1 Spot IR Thermal Imaging Camera with Bullseye Laser and Type K Thermocouple

FLIR TG298™

30:1 High Temperature Spot IR Thermal Imaging Camera with Bullseye Laser

www.flir.com/TG268

www.flir.com/TG298

Key Features

- Accurately measure temperatures up to 400°C (752°F) with the TG268 and 1080°C (1976°F) with the TG298
- Quickly locate problems with FLIR-patented MSX® image enhancement for added detail and super resolution for upscaling thermal images to 320 × 240
- Capture readings, images, and videos for analysis and sharing with the FLIR METERLiNK® app
- Rugged IP54 rating and 2 m (6 ft) drop tested with bright LED flashlight and Type K thermocouple (*TG268 only)

Main Applications

- Inspecting electrical, mechanical, and automotive equipment
- Monitoring equipment for signs of degradation before it fails
- Ensuring energy efficiency in building inspections
- Conducting process manufacturing and quality assurance checks on high-temperature applications at safe distances

SPECIFICATIONS

	TG268	TG298
Imaging and Optical		
IR Resolution	160 × 120	
Super Resolution	320 × 240	
MSX	Yes	
Thermal Sensitivity/NETD	<50 mK or <0.05°C (0.09°F)	
Field of View (H x V)	44° × 57°	
Distance: Spot Size Ratio	24:1	30:1
Color Palettes	Iron, Rainbow, White Hot, Black Hot, Arctic, Lava	
Display	2.4" color LCD, 320 × 240 pixels	
Spectral Range	7.5 – 14 µm	
Measurement and Analysis		
Object Temperature Range	–25°C to 400°C (–13°F to 752°F)	–25°C to 1080°C (–13°F to 1976°F)
Accuracy	±2.5% or 2.5°C (6°F) at 0°C to 50°C (33°F to 122°F) and 100°C to 400°C (213°F to 752°F) ±3% or 3°C (7°F) at –25°C to 0°C (–13°F to 32°F	±2.5% or 2.5°C (6°F) at 0°C to 50°C (33°F to 122°F) and 100°C to 400°C (213°F to 752°F) ±3% or 3°C (7°F) at –25°C to 0°C (–13°F to 32°F) and >400°C (>752°F)

	TG268	TG298
Center Spot	Yes	
Dual Range	No	Yes
Spotmeter	Measures temperature at the center of the image, indicated by laser pointer	
Minimum Focus Distance	0.5 m (1.6 ft)	
Minimum Measurement Distance	0.26 m (0.85 ft)	
Video Recording	Yes	
Emissivity Correction	4 pre-set levels with custom adjustment of 0.1 – 0.99	
Contact Measurement	Type-K	–
Type-K Range	–30°C to 390°C (–22°F to 734°F)	–
Type-K Accuracy	±1% or 3°C	–
Power		
Battery Operating Time	5 hrs continuous scanning; 4.5 hrs with laser on	
Battery Type	Rechargeable Li-ion battery	
Battery Voltage	3.7 V	
Battery Charging System	USB Type-C	
Boot-Up Time	<10s	

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SPECIFICATIONS, CONT.

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Additional Features		
Flashlight	Bright LED flashlight	
Laser Pointer	Class 1 bullseye laser visually highlights the measurement area; button-activated	
Data Communication Interfaces		
Storage Media	eMMC 8 GB	
Image Storage Format	JPEG with spot temperature	
Interfaces	USB 2.0, BLE	
Bluetooth	Yes	
METERLiNK Enabled	Yes	

	TG268	TG298
Environmental and Certifications		
Certifications	CE, CB, RCM, IEC60825-1, FDA, UL, CEC, NRCan	
Drop Test	2 m (6 ft)	
IP Rating	IP54	
Operating Temperature Range	–10°C to 45°C (14°F to 113°F)	
Storage Temperature Range	–30°C to 55°C (–22°F to 131°F)	
Tripod Mounting	1/4 in. -20 on bottom of handle	

Specifications subject to change. For the most up-to-date specifications, please visit flir.com.

For more information visit: FLIR.com/TG268

For more information visit: FLIR.com/TG298

For technical or sales support, please visit:
www.flir.com/about/general-inquiries

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