



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

FLIR TG268™

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 |
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| 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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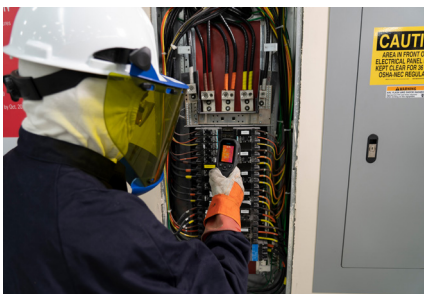
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SPECIFICATIONS, CONT.

| | TG268 | TG298 |
|-------------------------------|---|-------|
| 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
visti: FLIR.com/TG268



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

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