



THERMAL CAMERA FOR AUTOMOTIVE DIAGNOSTICS

FLIR TG275™

The TG275 is the first FLIR camera specifically designed for the automotive maintenance and repair professional. Featuring IGM™ (Infrared Guided Measurement), this diagnostic tool combines non-contact temperature measurement and thermal imaging into one tool to help you quickly find the source of heat-related problems and spot potential faults early. Use the TG275 to record before and after images of repairs so you can reassure customers that the problem has been fixed. Affordable and easy to use, the TG275 is ideal for troubleshooting issues related to batteries, relays and switches, exhaust manifolds, AC condensers, drive train components, and much more.

www.flir.com/tg275



IDENTIFY PROBLEMS QUICKLY

This two-in-one temperature measurement and thermal imaging tool helps you troubleshoot failed systems fast

- See beyond the limitations of single-spot IR thermometers with this 160 × 120 (19,200 pixels) true thermal imager
- Measure a wide range of temperatures, from -25°C to 550°C (-13°F to 1022°F)
- Ensure you're measuring the right component with a high-precision, energy-efficient laser



SUPERIOR IMAGE QUALITY AT AN AFFORDABLE PRICE

See the vehicle in a whole new way thanks to vibrant display and image enhancement features

- FLIR patented MSX® enhancement adds sharp visual detail to thermal images, making it easier to diagnose problems
- Bright 2.4-inch screen clearly displays thermal images in your preferred color palette
- Demonstrate that repairs have been made using recorded before and after images



STANDS UP TO TOUGH WORK ENVIRONMENTS

The TG275 is rugged and reliable enough for use in auto shops, outside, or anywhere

- Work safely while still measuring accurately thanks to the camera's 30:1 spot size ratio
- Rugged design with an IP54 enclosure that protects the camera from dirt, dust, and oil
- See into dark, difficult-to-reach areas with the help of the bright LED flashlight

SPECIFICATIONS

Image and Optical Data		General	
IR resolution	160 × 120 (19,200 pixels)	IR temperature resolution	0.1°C (0.2°F)
Thermal sensitivity/NETD	<70 mK	IR thermometer measurement	Continuous scanning
Field of View (FOV)	57° × 44°	Spotmeter	Center spot on/off
Distance-to-spot ratio	30:1	Emissivity correction	Yes: 4 preset levels with custom adjustment of 0.1 to 0.99
Minimum focus distance	0.3 m (0.98 ft.)	General	
Pseudo dual range	Range 1 <400°C (<752°F); range 2 >400°C (>752°F)	Laser pointer	Indicates the size of the measurement area
Image frequency	8.7 Hz	Laser	Class 1
Focus	Fixed	Interfaces	USB 2.0, Bluetooth® BLE
Digital camera	2 MP, 71° × 56° FOV	USB	USB Type-C: data transfer/power
Image Presentation and Modes		Flashlight	Bright LED flashlight
Display resolution	240 × 320 pixels	Battery operating time	5 hours continuous scanning, 4.5 hours with laser on
Screen size	2.4 in color LCD	Battery type	Rechargeable Li-ion battery
Aspect ratio	4:3	Battery voltage	3.7 V
Image adjustment	Automatic	Battery charging time	4 hours to 90%, 6 hours to 100%
Visual image	Yes	Power management	Adjustable: off, 5 min, 15 min, 30 min
MSX®	Yes	IP rating	IP54 (IEC60529)
Gallery	Yes	Drop	Designed for 2 m (6.56 ft)
Image storage capacity	4 GB for storage of up to 50,000 pictures	Safety	CE/CB/EN61010/UL
Image file format	JPEG with spot temp in meta tag	Operating temperature range	-10°C to 45°C (14°F to 113°F)
Measurement and Analysis		Tripod mounting	UNC ¼"-20
Camera temperature range	-25°C to 550°C (-13°F to 1022°F)	Weight (including battery)	0.394 kg (13.9 oz)
Measurement accuracy	±1.5°C (2.7°F) for temperatures 50°C to 100°C (122°F to 212°F); up to ±3°C (±5.4°F) for -25°C to 50°C (-13°F to 122°F) and 100°C to 550°C (212°F to 1022°F)	Size (L x W x H)	210 mm × 64 mm × 81 mm (8.3 in × 2.5 in × 3.2 in)
		Box Contents	TG275, printed documentation, wrist strap lanyard, USB cable, pouch

Specifications are subject to change without notice. For the most up-to-date specs, go to www.flir.com

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18-2928-INS-TG275 datasheet



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