

MAXIMUM®

Thermal Imager

model no. 057-4667-6

IMPORTANT:
Please read this manual carefully
before using this thermal imager
and save it for reference.

INSTRUCTION
MANUAL

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Operating Instructions and Parts Manual

Please read and save these instructions. Read through this owner's manual carefully before using product. Protect yourself and others by observing all safety information, warnings, and cautions. Failure to comply with instructions could result in personal injury and/or damage to product or property. Please retain instructions for future reference.

WARNING

The following safety information is provided as a guideline to help you operate your thermal imaging camera under the safest possible conditions. Any tool or piece of equipment can be potentially dangerous to use when safety or safe handling are not known or not followed. The following safety instructions are to provide the user with the information necessary for safe use and operation. Please read and retain these instructions for the continued safe use of your tool. Failure to follow instructions listed below may result in serious injury. In addition, make sure that anyone who uses the equipment understands and follows these safety instructions as well.



SPECIFIC SAFETY INSTRUCTIONS AND WARNINGS
Be sure to keep exposed skin and flammable clothing away from hot components being viewed with the thermal imaging camera. Take appropriate precautions when working near electrical or moving parts.

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The thermal imaging camera is a handy tool to visually detect high and low temperatures with both heat-mapped colour palettes and actual temperature reading. This easy-to-use thermal camera displays and saves images that can be reviewed later from a microSD card. With a broad temperature range of 14°F to 1,022°F, this versatile tool can be used for a wide variety of automotive, industrial, electrical and home applications.

Features	
LCD Display	1.8" 128x160 TFT
Thermal Resolution	Resolution 32x32 pixels
Image Capture Frequency	9 Hz
Thermal Sensitivity (NETD)	< 150 mK
Hot and Cold Spot Tracking	Yes
microSD Memory Card	Yes
Date/Time Setup Controls	Yes
USB Interface	Yes (mini-USB cable)
Temperature	
Temperature Measurement Range	-10 to 550°C (14 to 1,022°F)
Temperature Measurement Accuracy	±2°C or ±2% (at 15 cm 25°C)
On-Screen Emissivity Correction	Yes
On-Screen Reflected Background	Yes
Image Performance	
Image Capture Frequency	9 Hz
Detector Type	Infrared Thermopile Array Sensor
Digital Camera Resolution	640 X 480
Field of View	33° X 33°
Focus Mechanism	Fixed Focus
Image Presentation	
Selectable Palettes	3
Image Capture and Storage	
Image Capture	Captured Thermal Image
Storage Medium	microSD memory card
File Format	.bmp
Memory Review	Scroll through all saved images and view on-screen
Power Requirements	
Batteries	(4) AAA

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OPERATION

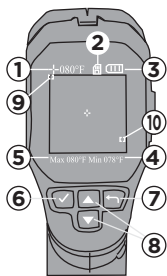


Figure	Description
1	Centre Temperature
2	Storage Card
3	Battery Indicator
4	Minimum Temperature Value
5	Maximum Temperature Value
6	OK Key to Select Settings
7	Return Key
8	Menu Control Keys/Increase or Decrease Percentage of the Thermal image
9	Red Box — Minimum Temperature Location
10	Green Box — Maximum Temperature Location

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INITIAL SETUP

CONTENTS: 1 Thermal Imaging Camera, 1 Mini USB cable

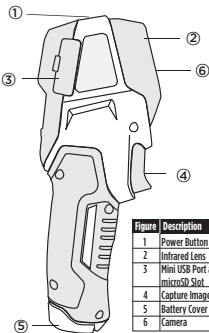


Figure	Description
1	Power Button
2	Infrared Lens
3	Mini USB Port and microSD Slot
4	Capture Image Trigger
5	Battery Cover
6	Camera

INITIAL SETUP

1. Carefully remove the unit from the packaging and visually inspect to familiarize yourself with the features and controls.
2. Using a small screwdriver, open the battery cover by removing the small screw that secures the cover. Install 4 AAA batteries, reinstall the battery cover, and tighten the screw. Be careful not to overtighten.
3. Press and hold the power button, located at the top of the unit, for 2-3 seconds until the start screen appears.
4. Press the "✓" button on the control pad once. This will display the settings menu. Use the Arrow▲ or ▼ buttons to select the setting field that you want to adjust and press "✓".



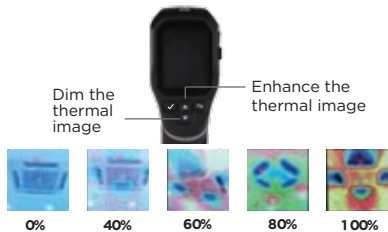
THIS DEVICE IS NOT FOR MEDICAL USE AND SHOULD NEVER BE USED AS A HEALTH OR MEDICAL CARE DEVICE.
CAUTION: Keep the thermal imaging camera at a safe distance from hot components being viewed. Failure to do so may cause damage to the camera.
DO NOT point the thermal imaging camera at strong energy sources such as devices that cause laser radiation, or the sun. This can negatively affect the accuracy of the camera and may cause damage to the detector in the camera.
DO NOT use the camera on temperatures higher than the rated maximum temperature. Exceeding the temperatures specified can cause damage to the camera.
DO NOT use solvents or harsh chemicals to clean the infrared lens. This can cause damage to the lens and prevent the camera from operating properly.

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INITIAL SETUP

Percentage of the thermal image: press ▲ to enhance the thermal image which overlays the image on the digital camera. Press ▼ to dim the thermal image which overlays the image on the digital camera.



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