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

model no. 057-4667-6

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.



INITIAL SETUP

INSTRUCTIONS AND WARNING

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 $14^{\circ}\mathrm{F}$ to $10.02^{\circ}\mathrm{F}$, 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)	
Tempera	ture	
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 Perfo	rmance	
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 Prese	ntation	
Selectable Palettes	3	
Image Capture a	nd 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 Requi	ements	
Batteries	(4) AAA	

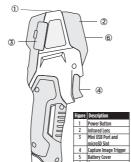
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Figure	Description
rigure	Description
1	Centre Temperature
2	Storage Card
3	Battery Indicator
4	Minimum Temperature Value
5	Maximum Temperature Value
6	OK Key to Select Settings
7	Return Key
8	Menu Control Keys/Increase or Decrease
	Percentage of the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

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CONTENTS: 1 Thermal Imaging Camera, 1 Mini USB cable



INITIAL SETUP

 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 overtichten.

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

<u>^</u>

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 due so may cause damage to the camera.

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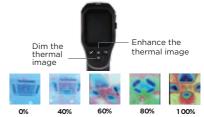
DO NOT point the thermal imaging camera at strong energy sources such as devices that cause laser radiation, or the sun. This can negatively affect the accuracy of the camera and may cause deep reactively the description.

adjust and press "\".

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

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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.



SETTINGS

DESCRIPTION

PRODUCT

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INITIAL

Press the " \checkmark " button on the control pad once. This will display the settings menu. Use the arrow \triangle or \blacktriangledown buttons to select the setting field that you want to adjust and press " \checkmark ".

Once you have chosen the options that best suit your needs, use the return button to start using the unit.













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1. To use the thermal imaging camera, simply point at the object you want to check and view the LCD screen. You will see maximum temperature indicated by a small green box as well as minimum temperature indicated by a small red box. These values will display along the bottom of the LCD screen at all times. The centre of view is indicated on the screen. The temperature at the centre of view is displayed along the

A battery power indicator is displayed when the thermal image is viewed.

top left corner of the LCD screen.

- 3. To capture images, you must first install a microSD card into the slot. Once the microSD card is installed, reboot the unit and simply pull the trigger to capture thermal images.
 These can be reviewed later by accessing the memory card menu.
- 4. To turn off the unit, press and hold the power button until the display is off.

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CARE

Use only a clean, soft cloth to clean the unit. A soft cloth dampened with warm water and mild detergent may be used on the grip and housing of the camera if necessary.

DO NOT splash water onto the thermal imaging camera or submerge. **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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STORAGE

It is recommended to remove the batteries when stored for extended periods of time.

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This MAXIMUM product carries a three-year (3) warranty against defects in workmanship and materials.

This product is not guaranteed against wear or breakage due to misuse and/or abuse.

Made in China.

MAXIMUM Canada Toronto, Canada M4S 2B8