



# FLIR C3<sup>®</sup>

## Powerful, Compact Thermal Imaging System

The FLIR C3 is a full-featured, pocket-sized thermal camera designed to be your go-to tool, whether your work is building inspections, facilities maintenance, HVAC, or electrical repair. Keep it on you so you're ready anytime to find hot fuses, cold air leaks, plumbing issues, and more.

The C3's must-have features include MSX<sup>®</sup> real time image enhancement, area maximum or minimum temperature measurement, and Wi-Fi connectivity – so you can quickly get to the job of finding hidden problems, sharing images, and documenting repairs.

### POCKET PORTABLE – PRO FEATURES

*Slim and sturdy enough to keep in your pocket, but with the advanced features you need to find potential problems, confirm repairs, and share the evidence with your client or boss.*

- Light, slim profile fits comfortably in any work pocket
- Brilliant 3" intuitive touch screen with auto orientation for easy viewing
- Wi-Fi enabled for instant peer-to-peer image sharing
- Area measurement box measures hottest or coldest spot (max./min.)

### FULLY RADIOMETRIC

*Save thermal image JPEGs instantly, then conveniently adjust and analyze them later with FLIR Tools to isolate temperature measurements on any pixel and create convincing reports.*

- MSX<sup>®</sup>-enhanced thermal images provide stunning detail to help you identify problem areas easier
- Radiometric image stores 4800 pixels capable of capturing thermal measurements from -10°C to 150°C (14°F to 302°F)
- High thermal sensitivity detects subtle temperature differences common in building applications

### EASILY AFFORDABLE

*Affordable MSRP helps get this powerful tool into the hands of the people who can use it every day.*

- FLIR Tools professional reporting software included – the industry standard in thermal image post analysis
- Streaming video via FLIR Tools, a feature not usually available on low-cost thermal camera systems
- FLIR's unique 2-10 warranty, covering parts and labor for two years and the detector for ten



Upload images to FLIR Tools over Wi-Fi



Area box with Cold Spot demonstrates air infiltration



Area box with Hot Spot demonstrates electrical fuse is active

## Specifications

Overview		C3
IR Sensor		80 x 60
Thermal Sensitivity/NETD		< 0.10°C
Field of View (FOV)		41° x 31°
Minimum Focus Distance		Thermal: 0.15 m (0.49 ft) MSX®: 1 m (3.3 ft)
Image Frequency		9 Hz
Focus		Focus free
Spectral Range		7.5 - 14.0 µm
Digital Camera		640 x 480 pixel
Digital Camera Focus		Fixed focus
Image Presentation		
Image Modes		Thermal, visual, MSX®, Picture-in-Picture
Image Gallery		Yes
MSX®		Adds visual details to full resolution thermal image
Color Palettes		Iron, Rainbow, Rainbow HC, Gray
Auto Orientation		Yes
Touch Screen		Yes, capacitive
Measurement & Analysis		
Object Temperature Range		-10°C to 150°C (14°F to 302°F)
Accuracy		±2°C (±3.6°F) or ±2%, whichever is greater, at 25°C (77°F) nominal
Spotmeter		On/Off
Area		Box with max. or min.
Emissivity Correction		Yes; matte/semi-matte/semi-glossy + custom value
Measurement Correction		Emissivity, Reflected apparent temperature
Image Storage and Streaming		
Storage Media		Internal memory, at least 500 sets of images
Image File Format		Standard JPEG with 14-bit measurement data included
Non-Radiometric IR Video Streaming		Yes
Visual Video Streaming		Yes
Communication and Connectivity		
Communication Interfaces		Wi-Fi, USB
Wi-Fi		Peer-to-peer (ad hoc) or infrastructure (network)
USB 2.0		USB Micro-B connector type: data transfer to and from PC
Additional Information		
Battery Type		Rechargeable Li-ion polymer battery
Battery Operating Time		2 hours
Charging System		Charged inside camera
Charging Time		1.5 hours
External Power Operation		AC adapter, 90-260 VAC input - 5 V output to camera
Operating Temperature Range		-10°C to 50°C (14°F to 122°F)
Storage Temperature Range		-40°C to 70°C (-40°F to 158°F)
Weight		0.13 kg (0.29 lbs)
Dimensions		125 x 80 x 24 mm (4.9 x 3.1 x 0.94 in)
System Includes		
Box Contents		Infrared camera, lanyard, pouch, power supply/charger, tripod mount, USB cable, printed documentation

Specifications are subject to change without notice. For the most up-to-date specs, go to [www.flir.com](http://www.flir.com)



FLIR C3 with Tripod Mount & Carry Pouch

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## FLIR MR40

### Moisture Pen + Flashlight

The FLIR MR40 is a pocket-portable, rugged 2-pin, single-scale moisture meter with an integrated flashlight for wood and common building materials – ideal for builders, building inspectors, remodelers, moisture remediation technicians, pest control professionals, and residential roofing and flooring contractors. Providing reliable and accurate measurements offered at a highly affordable price point, MR40 is a quick and easy-to-use tool to find and quantify moisture content.

When used in combination with a thermal camera, MR40 can help confirm whether a cold spot in a thermal image is moisture, and measure the severity of the problem.



Integrated worklight eliminates the need to carry a separate flashlight



Rugged, compact design for measurements in tight spaces

### Easy to use

*Simple and effective tool for reliable measurements*

- Clear LCD display
- Simple On/Off button with 'Auto Power Off'
- Replaceable pins (includes 2nd set)
- Audible indication of measured range (5- 12%, 13- 60%, 60%+)

### Convenient, portable, rugged design

*Ready to work when and wherever you are*

- Small enough to carry in your pocket and take measurements in tight spaces
- IP54 splash-proof rated, operating temperature: -10°C to 50°C
- 3-meter drop tested

### Reliable and accurate measurements

*Provides essential features and functions to quickly verify and quantify moisture*

- Measurement 'Hold' function
- Calibration/Pin check integrated in cap

# Specifications

Measurements	
Measurement Range	5% to 60% MC (Moisture Content)
Measurement Accuracy	5 to 30% MC (Moisture Content): +/- 2% 30 to 60% MC (Moisture Content): Reference only  Note: For materials other than Group 9/Building Materials: plywood, drywall, and oriented strand board (OSB), download the MR40 Material Conversion Table (publication MR40-AN01): <a href="http://tinyurl.com/jteb653">http://tinyurl.com/jteb653</a>
Audible Indication	5 to 12%: Low Beep rate. 13 to 60%: Higher beep rate. More than 60%: Highest Beep rate (Display OL)
Calibration/ Pin Check, Integrated in Cap	16%
General Information	
Flashlight	~40 lumens
Display	LCD
Electrode pins	Integrated, Replaceable (4 pins included)
Measurement Principle	Electrical Resistance
Warranty	Limited lifetime
Calibration cycle	N/A
Battery type	2 x AAA alkaline batteries (included)
Battery life	70 Hrs W/O Flashlight
Battery status indicator	4 Bar battery icon
Auto Power Off (APO)	3 minutes
Drop test	3 m (9.8 ft.)
IP Rating	IP54 Splash Proof
Operating temperature	-10 to 60°C (14 to 140°F)
Weight	80g (2.8 oz) with batteries
Dimensions (H x W x L)	193 x 26 x 31 mm (7.6" x 1.0" x 1.2")
Material	PC-ABS w/TPE Overmold

What's in the Box	UPC
MR40 Moisture Pen + Flashlight (spare set of pins in box)	793950370414
Accessories Optional	
MO25-PINS Spare electrode pins (10 pins per pack)	793950470268

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Quick and easy to use; reliable and accurate results



Use MR40 to confirm whether the cold spot found in a thermal image is moisture



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