

## Product Datasheet - Technical Specifications



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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

Specifications are subject to change without notice.



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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