

Product Datasheet - Technical Specifications



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MR60 Moisture Meter Pro

P/N: MR60

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Document identity

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Website

<http://www.flir.com>

Customer support

<http://support.flir.com>

Disclaimer

Specifications subject to change without further notice. Camera models and accessories subject to regional market considerations. License procedures may apply. Products described herein may be subject to US Export Regulations. Please refer to exportquestions@flir.com with any questions.



General description	
Part number	MR60
Part name	Moisture Meter Pro
The FLIR MR60 Moisture Meter Pro is a full-featured construction troubleshooting tool, allowing the collection and storage of moisture data over time from multiple sites. An integrated pinless sensor and an external pin probe provide the flexibility to take either intrusive or non-intrusive measurements. Built tough with an industry-leading warranty, the MR60 can serve as your go-to troubleshooting tool right out of the box, helping you find hidden moisture issues and capture reliable data more efficiently.	
Troubleshoot quickly: <ul style="list-style-type: none">• Easily investigate insulation and moisture issues• Pinless technology for fast non-intrusive measurements• External pin probe included for invasive moisture measurements• Includes construction material ranges• Stores multiple readings with date/time stamp• Data can be exported as CSV files to use with PC-based tools	
Portable, tough and durable: <ul style="list-style-type: none">• Drop tested rugged design• Industry-leading warranty• Small form factor to conveniently carry with you• Internal rechargeable battery with USB	
Moisture measurement	
Pin moisture via external probe range: accuracy	Wood groups (1-9): 7% - 30% MC \pm 1.5% MC 30% - 100% (reference only) Construction material groups (10-11): 0- 20% (reference only)
Pin moisture groups	Nine (9) wood groups, two (2) construction material groups
Pinless moisture range	0-100 relative measurement
Pinless moisture depth	1.9 cm (0.75") maximum
Sample rate	10 Hz (approx., both modes)
Measurement resolution	0,1
Response time Pinless	100 ms
Response time Pin Mode	750 ms
General information	
Display type (W x H)	QVGA (320 x 240) pixel 2.3" 64K color TFT graphic display
Warranty	https://www.flir.com/testwarranty



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General information	
Stored data file format	Comma Separated Values (.csv) format with date/time stamp. Reading value, reading type included.
Saved screenshot file format	Bitmap (.bmp) with measurement values overlaid
Stored screenshot capacity	9999 screenshots
Internal memory	4GB

Certifications	
Certification standards	EN61326 (EMC), EN61010 (Battery + Charger)
Agency approvals	FCC Class B, CE, UL, RCM

Power system	
Power requirements:	Integrated rechargeable battery
Continuous Run Time:	18 hours max
Typical Usage:	4 work weeks
Auto power off:	Programmable: OFF, 1, 5, or 20 minutes
Power adapter	100–240 V input/ 5 V 1A output
Battery	3.7 V, 2000 mAh Li-ion rechargeable via micro USB

Environmental	
Drop Test	3 m (9.8 ft)
Operating temperature	0–50 °C (32–122 °F)
Storage temperature	-10–60°C (14–140°F)
Operating humidity	≤ 90%, 0–30°C (32–86°F) ≤ 75%, 30–40°C (86–104°F) ≤ 45%, 40–50°C (104–122°F)
Storage humidity	90% RH

Meter physical data	
Weight	300 g (10.6 oz.)
Dimensions (H × W × L)	14 × 7.2 × 4.2 cm (5.5 × 2.8 × 1.7 in)
Material	PC-ABS
Color	Black

Shipping information	
Packaging, type	Retail color box
Packaging, Contents	MR60, MR02 Pin Probe, Lanyard, Quick Start Guide, FLIR Tools card, T&M line card, Moisture and Accessories line card, International Charger with USB cable, Warranty card
Each Weight	0.91 kg (2.0 lb.)
Each Dimensions (H × W × L)	33.1 × 14 × 12.1 cm (13.0 × 5.5 × 4.8 in.)
Master Carton Weight	13.3 kg (29.3 lb.)
Master Carton Dimensions (H × W × L)	51.2 × 25.8 × 64 cm (20.2 × 10.2 × 25.2 in.)
Master Carton Quantity	12
EAN-13	0793950370605
UPC-12	793950370605
Country of Origin	China
Tariff Code	9025.8050.00



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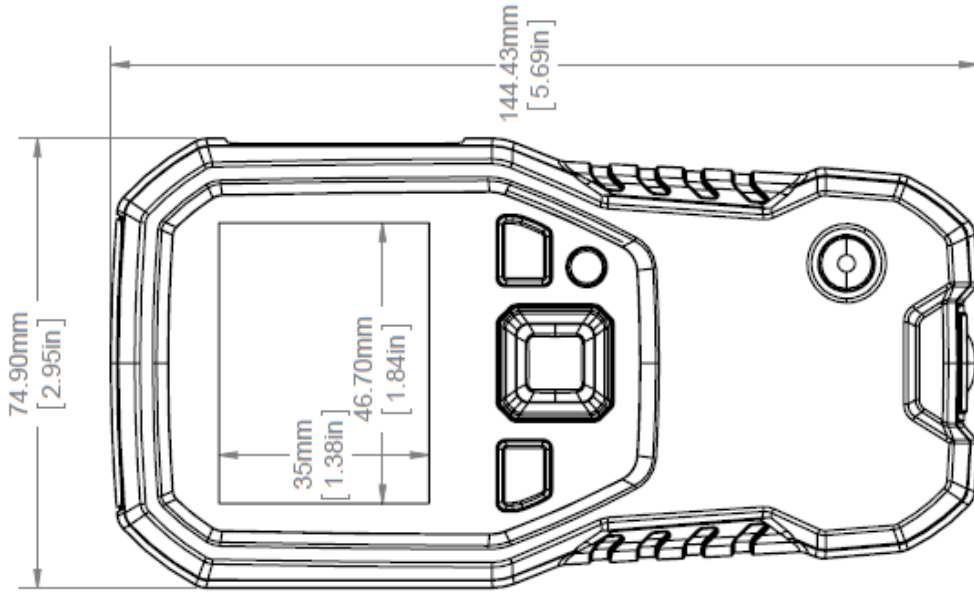
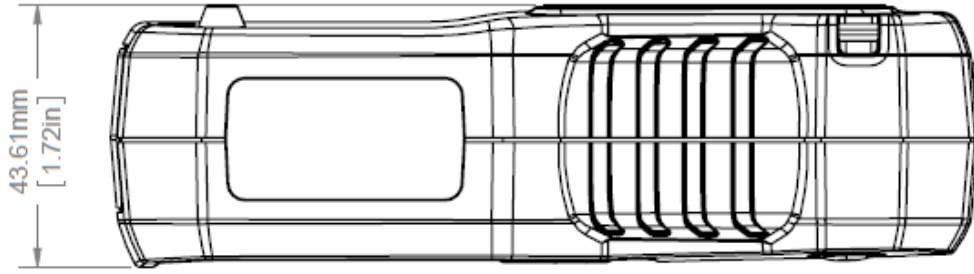
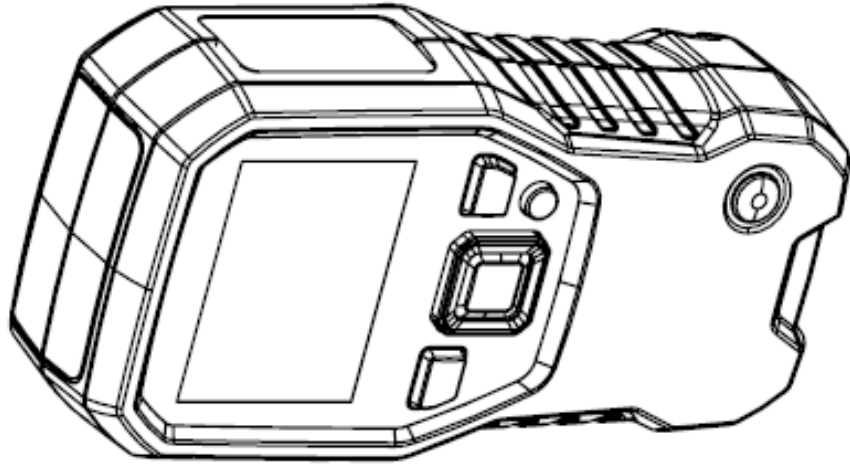
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Technical support	
Website	http://support.flir.com

Supplies & accessories:

- MR12; FLIR MR12: Ball probe moisture sensor accessory
- MR02; Replaceable External Moisture Pin Probe for MR77
- MR05; Impact Pin Moisture Probe
- MR06; Wall Cavity Probe
- MR07; Hammer Probe
- MR08; Hammer and Wall Cavity Probe Combo
- MR09; Baseboard probe
- MR10; EVA Protective case
- MR10-2; Protective case for FLIR Moisture Meters

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Modified Date Tuesday, April 05, 2016	Modified By T&M Engineering
Description MR60	
Units Millimeters [inches]	Scale Not to Scale