MR60 Moisture Meter Pro

P/N: MR60

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Website

http://www.flir.com

Customer support

http://support.flir.com

Disclaimer

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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:

- 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:

- 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 ±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

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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
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.)

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Shipping information	
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

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

Teledyne FLIR LLC
9 Townsend West, Nashua NH 03063 / Phone: 603.324.7800 / Fax: 603.324.7864

Declaration of Conformity

Extech Model: ***MR60***
Description: ***Moisture Meter Pro***
Date of Issue: ***12-Jul-21***

We, Teledyne FLIR LLC, 9 Townsend West, Nashua, NH 03063 declare that a sample of the product listed above has been tested by a third party for CE marking

EMC Directive: **2014/30/EU**
Report Number: **11186580**
Report Date of Issue: **3/25/2016**

Standards:
EN 61326-1:2013

LVD Directive: **2014/35/EU**
Report Number: **E201687-A14-CB-1**
Report Date of Issue: **3/31/2016**

Standards:
IEC 61010-1 (ed.3)

RoHS Directive: **EU DIrective 2015/863/EU (RoHS 3)**

The test reports show that the product fulfills the requirement in the EC Low Voltage Directive and EMC Directive and RoHS Directive for CE Marking. On this basis, together with the manufacturer's own documented production control, the manufacturer (or his European authorized representative) can in his EC Declaration of Conformity verify compliance with the EC Low Voltage Directive and EC EMC Directive and RoHS Directive.

Mark Sultzbach / QA Manager

Taipei, Taiwan July 28, 2021

UK Declaration of Conformity

Product: FLIR MR60

Name and address of the manufacturer: Teledyne FLIR LLC,
9 Townsend West,
Nashua, NH 03063

This declaration of conformity is issued under the sole responsibility of the manufacturer.

The object of the declaration: FLIR MR60.

The object of the declaration described above is in conformity with the relevant statutory requirements applicable to the specific product:

Standards review between UK and EU

UK legislation refr.	UK designated standard*	EU regulation refr.	EU harmonised standard
EMC		**EMC**	
S.I. 2016 No. 1091	EN 61326-1:2013	2014/30/EU	EN 61326-1:2013
LVD Directive		**LVD Directive**	
S.I. 2016 No. 1101	IEC 61010-1 (Ed. 3)	2014/35/EU	IEC 61010-1 (Ed. 3)
RoHS			
S.I. 2012 No. 3032	EN 50581:2012	2015/65/EU (RoHS)	EN 50581:2012

* https://www.gov.uk/guidance/designated-standards
Designated standards: EMC – consolidated list, version 1, 1 January 2021
Designated standards: Low voltage equipment – consolidated list, version 1, 1 January 2021
Designated standards: RoHS – consolidated list, version 1, 1 January 2021

FLIR Commercial Systems
Quality Assurance

Hank Tsai

Hank Tsai
Quality Manager