MR55 Pin moisture meter with Bluetooth

P/N: MR55

Copyright

© 2021, FLIR Systems, Inc.

All rights reserved worldwide. Names and marks appearing herein are either registered trademarks or trademarks of FLIR Systems and/or its subsidiaries. All other trademarks, trade names or company names referenced herein are used for identification only and are the property of their respective owners.

Document identity

Publ. No.: MR55
Commit: 78764
Language: en-US
Modified: 2021-08-19
Formatted: 2021-08-19

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	MR55
Part name	Pin moisture meter with Bluetooth

The MR55 is the right choice for professionals looking for a cost effective, accurate, rugged and reliable pin based moisture meter. Connect via FLIR MeterLink protocol to the FLIR Tools App on your mobile iOS device and display moisture content, ambient air temperature (or relative humidity) and the material group number.

Ideal for building inspectors, moisture remediation technicians, pest control professionals and residential roofing and flooring contractors.

- Accurate moisture measurements- Temperature compensated and tuned to the test material (11 Material groups)
- QR code on the back of meter for looking up Material Groups on FLIR website
- Bright LED Work light
- Backlit LCD
- Self-test calibration verification (test points in protective cap)
- Replaceable electrode pins
- Lanyard Cap Retention

Moisture measurement	
Range	1% to 99% MC (moisture content)
Accuracy	Moisture in wood (Groups 1-9) • 7- 29% Moisture Content: +/- 2% • 30- 99%: Reference only Moisture in building materials (Groups 10- 11): • 1- 99% (Group 10): Reference only • 1- 35% (Group 11): Reference only Note: Use QR code on back of meter to look up Material group definitions on FLIR Website
Calibration/ Pin Check, Integrated in Cap	Test points: Top 18% (+/-1), Bottom 26% (+/-1)

MR55 Pin moisture meter with Bluetooth

P/N: MR55

© 2021, FLIR Systems, Inc.

#MR55; r. 78764; en-US

Environmental measurement	
Ambient Temperature Range/ Accuracy	0°C to 50°C (32°F to 122°F)/ +/- 1°C (2°F)
Ambient Relative Humidity Range/ Accuracy	0 - 10% / ±4% 10 - 85% / ±2%

Meter data	
Work light	White LED
Display	Backlit LCD
Electrode pins	Integrated, Replaceable
Electrode pin length	10 mm (0.4 in.)
Measurement Principle	Electrical Resistance
Warranty	https://www.flir.com/testwarranty
Calibration cycle	N/A

Certifications	
Certifications	CE, RCM

Power system	
Power requirements	(2) × 1.5V 'AA'
Battery life	70 Hrs W.O Worklight
Battery status indicator	4 Bar battery icon (100% to empty)
Auto Power Off (APO)	After 20 minutes

Environmental data	
Drop test	2 m (6.6 ft.)
Ingress Protection Rating	IP40
Operating temperature / Relative Humidity	0– 50°C (32 to 122°F) / 85% Relative Humidity maximum

Physical data	
Weight	160 g (5.6 oz) Battery excluded
Dimensions (H × W × L)	188 x 58 x 33 mm (7.4 x 2.3 x 1.3 in.)
Material	Impact resistant plastic
Color	Black

Shipping information	
Packaging type	Gift box with colored sleeve
Packaging contents	• MR55 Pin-based moisture meter with BLE connectivity • Pouch • 2 × AA alkaline batteries • Spare pin-set • Quick Start manual • Warranty card • Line card
Packaging weight	0.43 kg (1.0 lb.)
Packaging dimensions (H × W × L)	15.0 × 5.0 × 28.7 cm (5.9 × 2.0 × 11.3 in.)
Carton weight	6.5 kg (14.3 lb.)

MR55 Pin moisture meter with Bluetooth

P/N: MR55

© 2021, FLIR Systems, Inc.

#MR55; r. 78764; en-US

Shipping information	
Carton dimensions (H × W ×L)	47 × 31 × 41.5 cm (18.5 × 12.2 × 16.3 in.)
Carton quantity	15
EAN-13	0793950370568
UPC-12	793950370568
Country of origin	China
Tariff code	9027.80.4560

Accessories	
MO200-PINS Replacement pins (50 pins)	

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

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

Declaration of Conformity

Extech Model: ***MR55***
Description: ***Moisture Meter***
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: **R12038414-EMC**
R12038414-EN 301 489
Report Date of Issue: **5/11/2018**

Standards:
EN 61326-1:2013
EN 61326-2-2:2013
DRAFT EN 301 489-1 v2.2.0:2017
DRAFT EN 301 489-17 v3.2.0:2017

RED Directive: **2014/53/EU**
Report Number: **RE180927N036**
Report Date of Issue: **10/10/2018**

Standards:
EN 300 328 V2.1.1 (2016-11)

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

The test reports show that the product fulfills the requirement in the EC EMC Directive, RED 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 EMC Directive, RED Directive, and RoHS Directive.

Mark Sultzbach / QA Manager

Taipei, Taiwan July 27, 2021

UK Declaration of Conformity

Product: FLIR MR55

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 MR55.

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
S.I. 2016 No. 1091	EN 61326-1:2013	2014/30/EU	EN 61326-2-2:2013
S.I. 2016 No. 1091	EN 301 489-1 v2.2.0	2014/30/EU	EN 301 489-1 v2.2.0:2017
S.I. 2016 No. 1091	EN 301 489-17 v3.2.0	2014/30/EU	EN 301 489-17 v3.2.0:2017
Radio equipment (RE)		**RED**	
S.I. 2017 No.1206	ETSI EN 300 328 v2.1.1	2014/53/EU	EN 300 328 V2.1.1 (2016-11)
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: radio 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