

## Product Datasheet - Technical Specifications



More information in our Web-Shop at ► [www.meilhaus.com](http://www.meilhaus.com)

### Your contact

Technical and commercial sales, price information,  
quotations, demo/test equipment, consulting:

Tel.: **+49 - (0)81 41 - 52 71-0**

FAX: **+49 - (0)81 41 - 52 71-129**

E-Mail: [sales@meilhaus.com](mailto:sales@meilhaus.com)

**Meilhaus Electronic GmbH**  
Am Sonnenlicht 2  
82239 Alling/Germany

Tel. **+49 - (0)81 41 - 52 71-0**  
Fax **+49 - (0)81 41 - 52 71-129**  
E-Mail [sales@meilhaus.com](mailto:sales@meilhaus.com)

Mentioned company and product names may be registered trademarks of the respective companies. Errors and omissions excepted. © Meilhaus Electronic.

## 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](mailto:exportquestions@flir.com) with any questions.



General description	
Part number	MR55
Part name	Pin moisture meter with Bluetooth
<p>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.</p> <p>Ideal for building inspectors, moisture remediation technicians, pest control professionals and residential roofing and flooring contractors.</p> <ul style="list-style-type: none"> <li>• Accurate moisture measurements- Temperature compensated and tuned to the test material (11 Material groups)</li> <li>• QR code on the back of meter for looking up Material Groups on FLIR website</li> <li>• Bright LED Work light</li> <li>• Backlit LCD</li> <li>• Self-test calibration verification (test points in protective cap)</li> <li>• Replaceable electrode pins</li> <li>• Lanyard Cap Retention</li> </ul>	
Moisture measurement	
Range	1% to 99% MC (moisture content)
Accuracy	<p>Moisture in wood (Groups 1-9)</p> <ul style="list-style-type: none"> <li>• 7- 29% Moisture Content: +/- 2%</li> <li>• 30- 99%: Reference only</li> </ul> <p>Moisture in building materials (Groups 10- 11):</p> <ul style="list-style-type: none"> <li>• 1- 99% (Group 10): Reference only</li> <li>• 1- 35% (Group 11): Reference only</li> </ul> <p>Note: Use QR code on back of meter to look up Material group definitions on FLIR Website</p>
Calibration/ Pin Check, Integrated in Cap	Test points: Top 18% (+/-1), Bottom 26% (+/-1)
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%



## MR55 Pin moisture meter with Bluetooth

P/N: MR55

© 2021, FLIR Systems, Inc.

#MR55; r. 78764; en-US

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

<b>Certifications</b>	
Certifications	CE, RCM

<b>Power system</b>	
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

<b>Environmental data</b>	
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

<b>Physical data</b>	
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

<b>Shipping information</b>	
Packaging type	Gift box with colored sleeve
Packaging contents	<ul style="list-style-type: none"><li>MR55 Pin-based moisture meter with BLE connectivity</li><li>Pouch</li><li>2 × AA alkaline batteries</li><li>Spare pin-set</li><li>Quick Start manual</li><li>Warranty card</li><li>Line card</li></ul>
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.)
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



# MR55 Pin moisture meter with Bluetooth

**P/N: MR55**

© 2021, FLIR Systems, Inc.

#MR55; r. 78764; en-US

Accessories	
MO200-PINS Replacement pins (50 pins)	

  

Technical support	
Website	<a href="http://support.flir.com">http://support.flir.com</a>