The MR55 is an affordable pin-based meter for professionals in moisture remediation, pest control, home or building inspection, and floor installation. It is a high-quality, reliable, and easy-to-use moisture-measurement tool. Wireless connectivity allows the user to view data on a mobile device from the FLIR Tools® Mobile app. Thanks to a built-in library of 11 material groups, users can tune the meter to the appropriate test material and improve measurement accuracy. This library is easy to access on the FLIR.com website by scanning a QR code on the back of the meter with a mobile device. The MR55 is a reliable standalone meter—or a useful accessory to pair with a FLIR thermal imager.

www.flir.com/mr55

**PIN MOISTURE METER WITH BLUETOOTH®**

**FLIR MR55™**

**TAKE ACCURATE MEASUREMENTS**
Rely on this standalone meter to provide high-quality data
- Pin moisture measurement automatically compensates for ambient temperature
- Improve accuracy by tuning the meter to the appropriate test material via built-in library of 11 material groups, including timbers, drywall, and concrete
- Measure ambient temperature and relative humidity

**INSPECT ANYWHERE WITH EASE**
Execute your job efficiently with powerful features that are easy to use
- Work in dim lighting with the backlit display and bright worklight
- Freeze measurements you see on the screen with the ‘data hold’ feature
- Quickly look up the correct material group on the FLIR website by using your mobile device to scan a QR code on the back of the meter
- Wirelessly connect the meter to FLIR Tools Mobile to view readings from a mobile device

**COMPLETE YOUR WORK WITHOUT INTERRUPTION**
Trust in this rugged and reliable meter to get the job done
- Verify correct operation of the meter before starting work using the calibration test feature
- Avoid prolonged work delays thanks to easily-replaceable electrode pins and standard AA batteries
- Stay current with the latest product enhancements by upgrading firmware as needed via micro USB port (located in the battery compartment)
### SPECIFICATIONS

<table>
<thead>
<tr>
<th>Moisture Measurement</th>
<th>Range</th>
<th>Accuracy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Moisture in Wood</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Group 1 - 9</td>
<td>7 - 29%</td>
<td>±2% MC*</td>
</tr>
<tr>
<td></td>
<td>30 - 99%</td>
<td>Reference Only</td>
</tr>
<tr>
<td>Moisture in Building</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Materials (Group 10</td>
<td>1 - 99% (Group</td>
<td>Reference Only</td>
</tr>
<tr>
<td>and 11)</td>
<td>10)</td>
<td></td>
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<tr>
<td></td>
<td>1 - 35% (Group</td>
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<td></td>
<td>11)</td>
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<tr>
<td>Environmental</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Measurement</td>
<td>Range</td>
<td>Accuracy</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ambient Temperature</td>
<td>0°C to 60°C</td>
<td>±1°C (2°F)</td>
</tr>
<tr>
<td></td>
<td>(32°F to 140°F)</td>
<td></td>
</tr>
<tr>
<td>Ambient Relative</td>
<td>0 - 20% ±5%</td>
<td>±4%</td>
</tr>
<tr>
<td>Humidity</td>
<td>20 - 80% ±3.5%</td>
<td>±2%</td>
</tr>
</tbody>
</table>

### General Information

- **Connectivity**: Bluetooth BLE
- **Communications Protocol**: METERLINK®
- **Worklight**: White LED
- **Display**: Backlit, multifunction LCD
- **Electrode Pins**: Integrated, replaceable, 10 mm (0.4 in)
- **Measurement Principle**: Electrical resistance using pins
- **Warranty**: Limited 3 years
- **Battery Type**: (2) x 1.5 V AA
- **Battery Life**: Typical 70 hours without worklight
- **Battery Status Indicator**: 4-bar battery icon (100% to empty)
- **Auto Power Off (APO)**: After 20 minutes
- **Operating RH/Temperature**: 85% Relative Humidity maximum / 0°C to 60°C (32°F to 140°F)
- **IP Rating**: IP40
- **Safety Compliance**: CE, RCM, FCC/IC
- **Drop Test**: 2 m (6.6 ft)
- **Housing Material**: Impact-resistant plastic
- **Weight**: 160 g (5.6 oz) battery excluded
- **Dimensions**: 188 x 58 x 33 mm (7.4 x 2.3 x 1.3 in)

* Maximum specified range is dependent on the fiber saturation point for specific species. For more information refer to the user manual.

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**FLIR Systems, Inc.**

**FLIR Systems Brasil**
Av. Antonio Bardeilla, 320
Sorocaba, SP 18085-852
Brasil
Ph: +55 15 3238 7080

**FLIR Systems, Ltd.**
920 Sheldon Court
Burlington, ON L7L 5K6
Canada
Ph: +1 800.613.0507

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Specifications are subject to change without notice. For the most up-to-date specs, go to www.flir.com

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