

Product Datasheet - Technical Specifications



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PIN MOISTURE METER WITH BLUETOOTH®

FLIR MR55™

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.



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

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

Specifications are subject to change without notice.

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