



# FLIR MR77

5-in-1 Moisture Meter with METERLiNK®

The FLIR MR77 is an all-in-one moisture meter that helps you manage even the toughest water restoration projects. Rugged design with field replaceable sensors, the MR77 is engineered to help you get more done in less time.

## Built to last.

*Ruggedness you can trust for years*

- Field replaceable temperature and relative humidity sensor
- 2 Meter Drop-Tested rubber overmolded pocket-sized design
- Industry-leading limited lifetime warranty with registration

## All the sensors you need.

*Convenient all-in-one water damage utility tool*

- Features integrated pinless moisture sensor, temperature and relative humidity sensor, and IR thermometer for fast non-contact measurements
- Remote pin-type probe for contact moisture readings
- Calculated metrics based on multi-sensor input: Grains Per Pound or Grains Per Kilogram, Dew Point, Condensation Point, Differential Temperature (IR and Dew Point)

## Advanced Documentation.

*Create reports quickly and easily*

- FLIR Tools Mobile connects the MR77 to your compatible iOS or Android smartphone and tablet
- Bluetooth\* METERLiNK® technology wirelessly integrates moisture readings on your image with FLIR Thermal Cameras
- Manually store readings and recall up to 99 measurement points

## Features

- 9 Material / Wood Groups, High/Low Humidity & Moisture Alarms, Min/Max, Data Hold, Auto Power Off, Bright White LED Backlight, Battery Status Icon, Store, Recall

## Includes

- 9V Battery, User Manual/CD, Temperature/RH Sensor, Wired Pin Probe and Limited Lifetime Warranty



Quickly assess upto 0.75 inches deep in Internal Pinless moisture mode



Integrated IR Thermometer with Laser Pointer to measure surface temperatures

# Specifications

Technical Summary	RANGE	BASIC ACCURACY
Pinless Moisture	0 to 99.9	Relative
Pinless Moisture Depth Max	0.75in (19mm)	
Pin Moisture	0 to 99%WME	
Relative Humidity	0 to 99%RH	±2.5%RH
Ambien Sensor Temperature	-18 to 170°F, -28 to 77°C	±3.6°F, 2°C
IR Temperature	-4 to 392°F, -20 to 200°C	±3.5%
IR Distance to Spot Ratio	8 inches away : 1 inch spot size	
IR Emissivity	0.95 (fixed)	
Vapor Pressure	0 to 20.0kPa	±2%

## Ordering Information

MR77 ..... Pinless Moisture Meter  
 MR77-NIST ..... MR77 with Certificate of Traceability to NIST

## Accessories

TA11 ..... Protective Case for CM8x and CM7x Series  
 TA55 ..... AC Current Line Splitter  
 TA70 ..... CAT IV Insulated Alligator Clips  
 TA80 ..... CAT IV Silicone Test Leads  
 MR01 ..... Replaceable Temp/RH Sensor  
 MR02 ..... Replacement Pin Moisture Probe



View measurements on your tablet with free FLIR Tools Mobile



Optional accessories



**Emitec Messtechnik AG**  
 Birkenstrasse 47  
 6343 Rotkreuz

+41 41 748 60 10  
 info@emitec.ch  
 www.emitec-industrial.ch



Emitec Group ■ ■ ■  
 #1 in Test & Measurement, worldwide.

**BOSTON**  
 FLIR Systems, Inc.  
 9 Townsend West  
 Nashua, NH 03663  
 USA  
 PH: +1 866.477.3687

**PORTLAND**  
 Corporate Headquarters  
 FLIR Systems, Inc.  
 27700 SW Parkway Ave.  
 Wilsonville, OR 97070  
 USA  
 PH: +1 866.477.3687

**BELGIUM**  
 FLIR Commercial  
 Systems AB  
 Luxemburgstraat 2  
 2321 Meer  
 Belgium  
 PH: +32 (0) 3665 5100

**CHINA**  
 FLIR Systems (Shanghai)  
 Co.,Ltd.  
 K301-302, No.26 Lane  
 168, Daduhe Road,  
 Putuo District, Shanghai  
 200062,P.R.China  
 PH: +86-21-5169 7628

www.flir.com  
 NASDAQ: FLIR

Equipment described herein may require US Government authorization for export purposes. Diversion contrary to US law is prohibited. Imagery for illustration purposes only. Specifications are subject to change without notice. ©2014 FLIR Systems, Inc. All rights reserved. (Created 11/14)