

Moisture doesn't tell you where it's hiding.

Moisture Meters and Accessories by FLIR



Equipped with **IGM™**
Infrared Guided Measurement



The World's **Sixth Sense™**

**MR77
MR160
MR176**

THREE STRIKES AND MOISTURE IS OUT!

FLIR is proud to offer the most innovative selection of moisture meters, thermal imagers, and probe accessories to date. Building on the FLIR thermal heritage and recognizing that moisture issues are not always clearly visible, FLIR produced the world's first moisture meters with exclusive **Infrared Guided Measurement (IGM™) technology** – the MR160 and MR176 – powered by an integrated thermal imager. IGM shows you exactly where problems are hiding by letting you see invisible cold temperature patterns associated with moisture evaporation, visually guiding you to the precise spot that needs further testing and investigation.

No matter what challenge you're up against, FLIR has a solution for your toughest water restoration projects, helping you find moisture intrusion issues faster than ever.



MR77

Moisture Meter with
Temperature and Humidity



MR160

Imaging Moisture Meter
with IGM



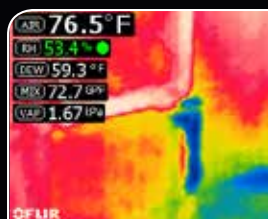
MR176

Imaging Moisture Meter with Temperature
and Relative Humidity plus IGM

Equipped with IGM
Infrared Guided Measurement



From scouting water dam damage to moisture mapping to confirming the drying process has been completed, FLIR offers moisture meters to conquer your building and restoration challenges.



Window leak: Rainbow



Thermo Hygrometer



Corner moisture: Iron

FINDING HIDDEN MOISTURE HAS NEVER BEEN THIS EASY

FLIR MR176 IMAGING MOISTURE METER PLUS IGM

FLIR MR176 is a premium imaging moisture meter with all the same capabilities as a three-in-one moisture meter, plus the added benefit of IGM (Infrared Guided Measurement) technology for more flexibility and convenience than you have ever experienced before. MR176 combines IGM with a pin/pinless moisture meter and thermal hygrometer, creating a unique feature set ideal for restoration and drying professionals.

- Ideal for moisture professionals who need environmental data
- Customize readings on thermal image: moisture, temperature, relative humidity, dew point, vapor pressure, mixing ratio
- Lock-image setting prevents extreme temperatures from interfering with images while scanning
- Meter indicates when relative humidity readings have stabilized
- Images are saved to on-board memory with measurement values for reference or USB download later
- See slow evaporation caused by poor airflow in the drying process
- 18 hour battery life (rechargeable)



Field Replaceable T/RH Sensor



Pin or Pinless Measurements



THE MOISTURE METER REINVENTED

FLIR MR160 IMAGING MOISTURE METER

The FLIR MR160 is a pin and pinless meter designed to show general contractors and building professionals exactly where to measure. Equipped with an 80 x 60 Lepton thermal camera sensor that powers IGM technology, the MR160 lets you see invisible cold temperature patterns associated with moisture evaporation, visually guiding you to the precise spot that needs further testing and investigation. Built tough with an industry-leading warranty, the MR160 can serve as your go-to troubleshooting tool right out of the box—or as the perfect complement to any high resolution thermal camera you already own—helping you find hidden moisture issues and capture reliable data more efficiently.

For more information please visit www.flir.com/MR160

- Pinless technology for fast non-intrusive measurements
- External pin probe included for contact moisture measurements
- Easy targeting with laser pointer and display crosshairs
- Document thermal images and moisture readings on one screen
- Review images and generate reports with free FLIR Tools software
- 18-hour rechargeable battery



Transfer Images via USB



Scan for Targets



Pin Moisture Probe



MOISTURE DETECTION GOES WIRELESS

MR77



FLIR MR77 MOISTURE METER

The FLIR MR77 Moisture Meter performs all the critical and advanced measurements restoration and drying professionals demand. Equipped with a pinless moisture sensor and pin probe for non-intrusive or intrusive readings, temperature and relative humidity sensor, and IR thermometer, the MR77 has all the sensors you need in one convenient tool. The FLIR Tools Mobile App connects MR77 to your iOS or Android smartphone or tablet via Bluetooth so you can create reports quickly and easily. Featuring METERLiNK technology, you can wirelessly integrate your moisture readings onto your thermal images from a FLIR thermal camera. Built rugged with field-replaceable sensors, the MR77 is engineered to reduce downtime and help you get more done in less time.

For more information please visit www.flir.com/MR77



Clockwise from top: Integrated Pinless Moisture Sensor; Connect METERLiNK Cameras and MR77; View measurements on smart devices



- Bluetooth capability and METERLiNK technology for advanced documentation
- Calculated metrics based on multi-sensor input: Grains Per Pound or Grains Per Kilogram, Dew Point, Condensation Point, Differential Temperature (IR and Dew Point)
- Manually store readings and recall up to 20 measurement points
- Durable rubber overmolded pocket-sized design
- Industry-leading limited lifetime warranty



PRODUCT COMPARISON

CHOOSE THE FLIR MOISTURE METER THAT'S RIGHT FOR YOU

PART NUMBER	MR77	MR160	MR176
Pin Moisture with External Probe	✓	✓	✓
Pinless Moisture Sensor Integrated	✓	✓	✓
Field Replaceable Temperature and Relative Humidity	✓	—	✓
Infrared Guided Measurement (IGM)	—	✓	✓
Palette Options (Iron, Rainbow, Ice, Greyscale)	—	—	✓
Save images and readings	—	✓	✓
Transfer saved images and readings via USB	—	✓	✓
METERLiNK to FLIR Cameras	✓	—	—
Bluetooth to FLIR Tools Mobile on smart phone or tablet	✓	—	—
Warranty	Limited Lifetime	2-10 yr	2-10 yr



MR05 Impact Probe



MR06 Wall Cavity Probe



MR07 Hammer Probe



MR08 Hammer/Wall Probe Combo

Thinner pin for easy insertion

Hardened steel means fewer bent pins

Sand blasted for durability, insulated for longer life

Single piece design stays tight and aligned

UPGRADE YOUR MOISTURE METER



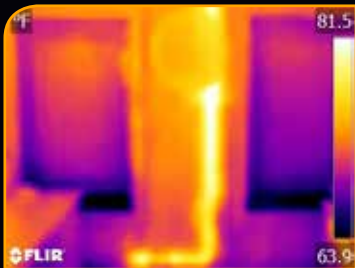
MR08 Hammer/Wall Probe Combo complete with pins and case

MOISTURE PROBE ACCESSORIES

FLIR offers a quality line of probe accessories to upgrade your FLIR moisture meter to meet advanced measurement challenges. Use our optional external pin probes on hard woods and dense materials, in deep wall cavities, or to get through an obstruction like sub floor through hardwood flooring. Designed for everyday job site use, we focused on durability of the system (probe, pins and cord), ease of use, and versatility.

PART NUMBER	MR05 IMPACT PROBE	MR06 WALL CAVITY PROBE	MR07 HAMMER PROBE	MR08 HAMMER/WALL PROBE COMBO
Impact Plate (to use your own hammer)	✓	✓	-	❖
Integrated Slide Hammer	—	—	✓	✓
Insulated Pins (included)	—	4" & 6"	2x2"	2x2", 4" & 6"
Extension Pins	—	✓	—	✓
Shoulder Case (included)	—	—	✓	✓
Works with MR77, MR160, MR176	✓	✓	✓	✓
No Slip Rubber Grips	✓	✓	✓	✓
Replaceable Pins	✓	✓	✓	✓
Detachable Cord with Durable Connection	✓	✓	✓	✓
2 Year Warranty	✓	✓	✓	✓

FIND MOISTURE ISSUES FROM FARTHER AWAY WITH THE POWER OF THERMAL IMAGING



Pipe in wall Thermal Image



Pipe in wall Thermal Image with MSX

EXPLORE THE FLIR C2 AND FLIR E6

Gain a competitive advantage and increase your business. If you face customers every day or your work requires scanning large areas and rooms at longer distances, you'll benefit from adding a FLIR C2 or E6 thermal imager to your tool selection. You'll be able to visually show your customers high-detail thermal images of the moisture issues you find, and create professional reports. Then confirm your findings with a FLIR moisture meter to determine the actual moisture level.

- Get crisp image clarity with Multi-Spectral Dynamic Imaging (MSX)
- Produce detailed thermal images and reports
- Scan large areas and benefit from higher-resolution thermal images
- E6 thermal imager meets RESNET standards

Find out more about the E6 at: www.flir.com/E6
Learn more about the C2 at: www.flir.com/c2



FLIR E6

FLIR C2

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