



FLIR MR160

Imaging Moisture Meter

The FLIR MR160 Imaging Moisture Meter is the *first of its kind*. Equipped with a built-in thermal camera, MR160 is the *only* moisture meter with the power to show you exactly where to measure.

Featuring **Infrared Guided Measurement (IGM™)** technology, the MR160 helps you quickly scan and target moisture issues, visually guiding you to the spot where you can confidently take measurements and analyze readings.

An integrated pinless sensor and an external pin probe provide the flexibility to take either intrusive or non-intrusive measurements. 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.

IDENTIFY AND VERIFY WITH ONE TOOL.

First-ever thermal imaging moisture meter

- 80 x 60 Lepton® thermal imager powers IGM technology
- Document thermal images and moisture readings on one screen
- Review images and generate reports with free FLIR Tools software

TROUBLESHOOT QUICKLY.

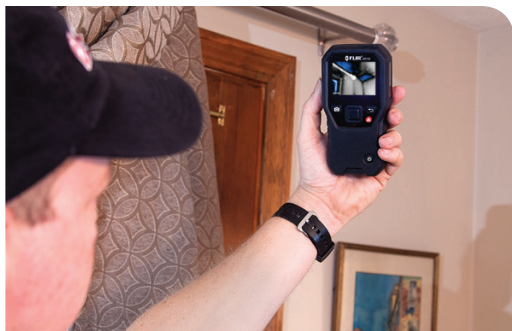
Easily investigate insulation and moisture issues

- Pinless technology for fast non-intrusive measurements
- External pin probe included for contact moisture measurements
- Easy targeting with laser pointer and display cross-hairs

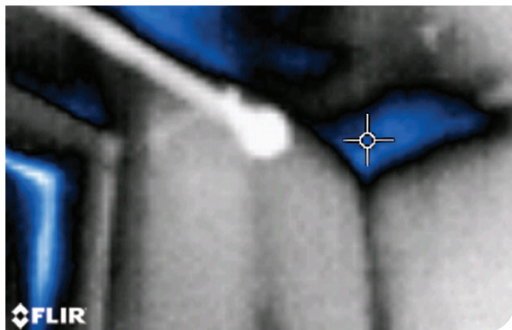
PORTABLE, TOUGH AND DURABLE.

Drop tested rugged design

- Industry-leading warranty
- Small form factor to conveniently carry with you
- Internal rechargeable battery with USB



Scanning ceiling & wall joint for moisture issues



IGM technology shows you cold spots, guiding you where to measure

Specifications

| FLIR MR160: Imaging Moisture Meter | |
|--|---|
| Thermal imaging detector | FLIR Lepton® microbolometer |
| Image Calibration | Automatic |
| Thermal image resolution (W x H) | 4800 pixels (80 x 60) |
| Spectral response | 8–14µm |
| Field of view (W x H) | 51° x 38° |
| Thermal sensitivity | <0.15°C |
| Image frame rate | 9 Hz |
| Image Display | Color moisture alert |
| Minimum focus distance | 10cm (4") |
| Moisture Measurement | |
| Pin moisture via external probe range (accuracy) | 0–100% WME (± 5%) |
| Pin moisture groups | 9 material groups |
| Pinless moisture range | 0–100 relative measurement |
| Pinless Measurement Depth | 0.75" (19mm) Max |
| Measurement resolution | 0.1 |
| Response time pinless | 100ms |
| Response time pin mode | 750ms |
| General information | |
| Display (W x H) | QVGA (320 x 240 pixel) 2.3" 64k color TFT |
| Saved image file format | BMP with measurement values overlaid |
| Stored image capacity | 9999 images |
| Laser orientation | Single laser pointer to center of thermal image |
| Power requirements | Integrated rechargeable battery |
| Battery power - continuous run time | 18 hours max |
| Battery power - typical usage | 4 work weeks* |
| Battery | 3.7 V, 3000 mAh Li-ion rechargeable via micro USB |
| Drop Test | 9.8' (3m) |
| Certification standards | EN61326 (EMC), EN61010 (battery + charger), EN60825-1 class 2 (Laser) |
| Agency approvals | FCC class B, CE, UL |
| Warranty | 2 Yr Product, 10 Yr Thermal detector** |

*See FAQs at flir.com/MR160

** Register within 60 days of purchase at www.flir.com/testwarranty



| Ordering Information | UPC | EAN |
|-----------------------|--------------|---------------|
| MR160 | 793950371602 | 0793950371602 |
| MR05 Impact pin probe | 793950370056 | 0793950370056 |
| MR10 Protective case | 793950370117 | 0793950370117 |
| MR05-PINS1 | 793950371053 | 0793950371053 |
| MR05-PINS2 (wide) | 793950372050 | 0793950372050 |



MR02 Pin Probe included

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