TELEDYNE FLIR

GO THERMAL
INNOVATIVE SENSING SOLUTIONS

MOISTURE METER AND THERMAL IMAGER WITH MSX®

FLIR MR265™

The FLIR MR265 is a combination pin and pinless moisture meter with thermal imaging designed to show building and facilities maintenance professionals exactly where to investigate issues related to moisture, air leaks, and insulation voids. Featuring FLIR IGM™ (Infrared Guided Measurement) technology, the MR265 helps users quickly scan and target problem areas, visually guiding them to the spot where they can confidently take measurements, analyze readings, and ensure that problems are fixed. FLIR MSX (Multi-Spectral Dynamic Imaging enhancement) technology makes it easy to recognize where issues are located by embossing visual details from the built-in visual camera onto thermal images. Using FLIR Thermal Studio™, inspectors can then create and share professional reports that include findings and proof of repairs – giving customers peace of mind that mold, rot, or moisture challenges have been resolved.

www.flir.com/MR265

GET TO THE PROBLEM FASTER

Visually scan and investigate large areas for moisture, air leaks, and other building issues without opening the wall

- Pinpoint problems at the source using the 160 × 120 (19,200 pixels) built-in thermal camera and laser
- Clearly identify the inspection area using the onboard 2 MP visible camera
- Eliminate guesswork with MSX, which enhances image quality by embossing visible light details onto thermal images in real time for greater edge and outline detail
- Conveniently evaluate issues while in the field on the large 2.8-inch display

WORK SMARTER

Carry fewer tools with this convenient, all-in-one thermal camera, worklight, and pinless and pin moisture meter that meets RESNET standards

- Take qualitative, non-destructive measurements using the built-in electromagnetic/capacitive pinless moisture sensor
- Use the included pin probe resistive sensor for quantifiable moisture measurements
- Built rugged to withstand up to a 2 m (6.6 ft) drop
- Inspect in dimly lit areas using the bright, built-in worklight

IMPROVE COMMUNICATION WITH CUSTOMERS

Create professional reports using FLIR Thermal Studio to better communicate problems and repairs to customers

- Upload images into FLIR Thermal Studio to take advantage of professional thermography analysis capabilities, or use the jpeg in a software platform of choice
- Document both thermal and visual images before and after repairs to clearly show clients what problems were found, and prove that problems were fixed
- Save up to 15,000 visual and radiometric thermal images

SPECIFICATIONS

Thermal Imaging	
Thermal image resolution	160 × 120 (19,200 pixels)
Spectral response	8 µm to 14 µm
Field of view (W × H)	57° × 44°
Sensitivity	<150 mK
Object temperature range	0°C to 100°C (32°F to 212°F)
Emissivity correction	3 pre-set and 1 custom emissivity setting
Image update speed frequency	9 Hz

Image Modes and Displays	
Thermal image palettes	Iron, Rainbow, Arctic, White-hot, Black-hot
MSX®	Adds visual details to full resolution thermal image
Image modes	Thermal, Visual, MSX
Internal memory	8 GB
Image gallery	Yes
Display type	QVGA (320 × 240 pixels) 2.8-in color TFT graphical display

Moisture Measurements	
Pin moisture range	7% to 100%
Pin moisture accuracy	±1.5%, 7% to 30%, Reference only: 30% to 100%
Pin moisture groups	11 material groups
Pinless moisture range and accuracy	0 to 100; relative
Pinless measurement depth	Max of 19 mm (0.75 in)
Measurement resolution	0.1
Response time pinless mode	100 ms
Response time pin mode	750 ms

General Information	
Saved image file format	Radiometric jpg
Stored image capacity	15,000 Images
Digital camera	2 MP
Digital camera field of view (FOV)	83° (70.5° HFOV × 56° VFOV)
Language options	22
Laser type	Visible class 2, single laser pointer to center of thermal image
Warranty	Limited 10-Year Warranty

Power System	
Continuous run time	10 hours maximum
Typical usage	4 work weeks
Auto power off	Programmable: off, 5, 10, 20 and 30 minutes
Battery	Rechargeable 3.7 V nominal, 5400 mAh LiPo

Certifications	
Certification standards	EN 61326 (EMC), EN 60825-1 Class 2 (laser), IEC61010-1
Agency approvals	CE, RCM, FCC Part 15B, UKCA

Environmental and Physical Data	
Operating temperature	0°C to 45°C (32°F to 113°F)
Storage temperature	-20°C to 60°C (-4°F to 140°F)
Operating humidity	10% to 90%
Storage humidity	90% relative humidity (no condensation)
Drop test	2 m (6.6 ft)
Weight	392 g (0.7 lb)
Size (L × W × H)	17.7 × 8.9 × 3.6 cm (6.97 × 3.5 × 1.43 in)

Shipping Information	
Packaging contents	FLIR MR265, FLIR MR02 Standard Moisture Pin Probe, quick start guide, international USB charger, USB cable, and lanyard

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

WILSONVILLE
27700 SW Parkway Ave.
Wilsonville, OR 97070
USA
PH: +1 866.477.3687

NASHUA
9 Townsend West
Nashua, NH 03063
USA
PH: +1 866.477.3687

LATIN AMERICA
Av. Antonio Bardella, 320
Sorocaba, SP 18085-852
Brasil
PH: +55 15 3238 8070

CANADA
3430 South Service Road, Suite 103
Burlington, ON L7N 3J5
Canada
PH: +1 800.613.0507

www.teledyneflir.com
NASDAQ: TDY

21-0617-INS

Distributed by
www.GoThermal.co.za

TeleEye (South Africa) / GoThermal
Unit 4,
4 Homestead Ave.
Bryanston
Johannesburg
South Africa

Tel: (+27) 11 557 9200
e-mail: Sales@GoThermal.co.za

GOTHERMAL
INNOVATIVE SENSING SOLUTIONS