





# **FLIR**

# Visually identify hidden moisture with IGM.

- An 80 x 60, 4800-pixel Lepton<sup>®</sup> thermal imager powers IGM technology,

- Field-replaceable temperature/relative humidity sensor can simply be
- Progressive Environmental Stability Indicator removes response time

# Convenient, flexible, and easy to operate.



Imaging Detector	FLIR Lepton microbolometer		
Image Calibration	Automatic with manual lock scale option		
Thermal Image Resolution (W x H)	4800 pixels (80 × 60)		
Spectral Response	8 to 14µm		
Field of View (W x H)	51° × 38°		
Sensitivity	<150mK		
Detection Limit (Wet Area Detection @ 32ft (10m)	19.7in² (49cm²)		
Image Update Speed Frequency	9Hz		
Thermal Image Palettes	Iron, Rainbow, Ice, Greyscale		
Thermal Image Minimum Focus Distance	4" (10cm)		
	Range		
Pin Moisture	7% to 30%	±1.5% MC	
	30% to 100%	Reference only	
Pin Moisture Groups	9 Material Groups		
Pinless Moisture Range	0 to 100	Relative	
Pinless Measurement Depth	0.75" (19mm) Max		
Measurement Resolution	0.1		
Response Time Pinless Mode	100ms		
Response Time Pin Mode	750ms		
	Range		
Relative Humidity	0 to 100%	2.5%RH	
Air Temperature	32 to 122°F (0 to 50°C)	±1.1°F (±0.6°C)	
Dew Point	-22 to 122°F (-30 to 50°C)	±1.8°F (±1.0°C)	
Vapor Pressure	0.0 to 12.0kPa	±0.05kPa	
Mixing Ratio	0 to 560GPP (0.0 to 80.0 g/kg)	±2GPP (0.25 g/kg)	
Display Type	QVGA (320 x 240 pixel) 2.3" color TFT graphical display		
Drop Test	3m		
Saved Image File Format	BMP with measurement values overlaid		
Stored Image Capacity	9999 images		
Laser Orientation	Single laser pointer to center of thermal image		
Continuous Run Time	18 hours max		
Typical Usage*	4 work weeks		
Battery	3.7V, 3000mAh Li-ion rechargeable via micro USB		
Certification Standards	EN 61326 (EMC), EN 60825-1 Class 2 (Laser)		
Agency Approvals	CE, FCC Class B, RCM		
Includes	MR01 Replaceable Temperature and Relative Humidity Sensor, MR02 Standard Pin Probe, Quick Start Guide, International USB Charger, USB Cable		











MR176		793950371763	0793950371763
MR05 Impact	Pin Probe	793950370056	0793950370056
MR06 Wall C	avity Probe	793950370063	0793950370063
MR07 Hamm	er Probe	793950370070	0793950370070
MR08 Hamm	er and Wall Cavity Probe Combo	793950370087	0793950370087
MR10 Protect	ive Case	793950370117	0793950370117

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