

Product Datasheet - Technical Specifications



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FLIR MR265: Moisture Meter and Thermal Imager with MSX

P/N: MR265

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Document identity

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Website

<http://www.flir.com>

Customer support

<http://support.flir.com>

Disclaimer

Specifications subject to change without further notice. Camera models and accessories subject to regional market considerations. License procedures may apply. Products described herein may be subject to US Export Regulations. Please refer to exportquestions@flir.com with any questions.



General description	
Part number	MR265
Description	Moisture Meter and Thermal Imager with MSX
Thermal imaging	
Imaging detector	FLIR Lepton microbolometer
Image calibration	Automatic with manual lock scale option
Thermal image resolution (W x H)	160 x 120 (19,200 pixels)
Object temperature range	0 to 100°C (32 to 212°F)
Spectral response	8–14 μm
Field of view (W x H)	57° x 44°
Sensitivity	<150 mK
Image update speed frequency	9 Hz
Thermal image palettes	Iron, Rainbow, Arctic, White-Hot, Black-Hot
Thermal image minimum focus distance	10 cm (4 in)
MSX	Adds visual details to full resolution thermal image
Saved image file format	Radiometric JPEG
Stored image capacity	15,000 images
Internal memory	8 GB
Digital camera	2MP
Digital camera field of view (HFOV)	83° FOV (70.5° HFOV x 56° VFOV)
Digital camera minimum focus distance	25 cm (9.8 in)
Display type	QVGA (320 x 240 pixels) 2.8 in. color TFT graphical display
Moisture measurement	
Pin moisture range	7–100%
Pin moisture accuracy	±1.5%, 7 to 30% Reference only: 30 to 100%
Pin moisture groups	11 material groups



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Moisture measurement	
Pinless moisture range	0 to 100
Pinless moisture accuracy	Relative
Pinless measurement depth	0.75" (19 mm) Max
Measurement resolution	0.1
Response time pinless mode	100 ms
Response time pin mode	750 ms

General information	
IP rating	IP54
Warranty	https://www.flir.com/testwarranty
Language options	22

Laser	
Type	Visible class 2
Orientation	Single laser pointer to center of thermal image
Power output	Maximum 1.0 mW
Wavelength	650 ± 20 nm

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 specifications	
Operating temperature	0 to 45°C (32 to 113°F)
Storage temperature	-20 to 60°C (-4 to 140°F)
Operating humidity	10% to 90%
Storage humidity	90% relative humidity (no condensation)
Drop test	2 m (6.6 ft)

Meter physical data	
Weight	0.39 kg (0.7 lbs)
Size (L × W × H)	177 x 89 x 36 mm (6.97 × 3.5 × 1.43 in)

Shipping information	
Packaging type	Retail color box
Packaging contents	FLIR MR265, FLIR MR02 Standard Pin Probe, Quick Start guide, international USB charger, USB cable, and lanyard
Packaging weight	0.98 kg (2.16 lbs)
Packaging dimensions (H × W × L)	285 x 148 x 103 mm (11.1 x 5.7 x 4 in)
Master carton quantity	12
EAN-13	0793950322659



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Shipping information	
UPC-12	793950322659
Country of origin	China

Technical support	
Website	http://support.flir.com

Supplies & accessories:

- MR12; FLIR MR12: Ball probe moisture sensor accessory
- MR02; Replaceable External Moisture Pin Probe for MR77
- MR05; Impact Pin Moisture Probe
- MR06; Wall Cavity Probe
- MR07; Hammer Probe
- MR08; Hammer and Wall Cavity Probe Combo
- MR09; Baseboard probe
- MR10-2; Protective case for FLIR Moisture Meters