Flir EM57

Thermo-Hygrometer with Meterlink®

https://www.flir.com/products/EM57









The Flir EM57 Thermo-Hygrometer with Meterlink helps HVAC professionals quickly verify indoor comfort and environmental conditions with fast, accurate temperature and humidity measurements. Instant dew point and wet bulb calculations provide valuable insight into latent load, condensation risk, and moisture conditions, helping identify potential humidity issues before they lead to mold growth, equipment problems, or occupant comfort complaints. Ideal for HVAC service, commissioning, and troubleshooting, the EM57 helps confirm system performance and indoor air quality with confidence. Using the Flir Meterlink app, users can wirelessly capture readings, compare trends, and generate reports directly from a mobile device, streamlining documentation and improving workflow efficiency.

VERIFY HVAC PERFORMANCE & INDOOR COMFORT

Quickly measure air temperature and relative humidity to evaluate occupant comfort, verify HVAC system performance, and support equipment service, commissioning, and troubleshooting.

DETECT MOISTURE RISKS BEFORE THEY BECOME PROBLEMS

Instantly calculate dew point and wet bulb temperature to assess condensation risk, latent load, and moisture conditions, helping identify areas susceptible to mold growth and building envelope issues.

STREAMLINE REPORTING WITH METERLINK

Capture readings, compare trends, and generate reports using the Flir Meterlink® app for faster documentation, clearer communication, and more efficient HVAC workflows.

Specifications

Key Specifications	
Air Temperature	Range: -20°C to 60°C (-4°F to 140°F) / Basic Accuracy +/- 0.5°C
Dew Point	Range: -20°C to 60°C (-4°F to 140°F) / Basic Accuracy +/- 0.5°C
Measurement & Analysis	
Calibration Cycle	Once Per Year, Recommended
Relative Humidity	Range: 0 to 100% / Basic Accuracy +/- 2%
Wet Bulb	Range: -20°C to 60°C (-4°F to 140°F) / Basic Accuracy ± 0.5°C
Imaging & Optical	
Display Type	LCD Display with Backlight and Multi-Function Indicators

Power	
Auto Power Off (APO)	30 minutes
Battery life	> 100 hours
Battery type	3 LR03/AAA size alkaline batteries
General	
Dimensions	198 × 68.2 × 32.5 mm (7.8 × 2.7 × 1.3 in)
Includes	Flir EM57, MR13 Replaceable Temperature and Relative Humidity Sensor, Quick Start Guide, 3 AAA Alkaline batteries, Carrying Pouch, and lanyard
Packaging Size	282 × 150 × 52 cm (11.1 × 25.4 × 2.05 in)
Weight	176 g (6.2 oz)
Environmental & Certifications	
Certifications	CE, FCC

Specifications, cont.

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Specifications, cont.

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Drop test	2 m (6.6 ft)
EMC	EN61326-1
IP Rating	IP40
Operating Altitude	2000 m (6560 ft)
Operating Temperature	-20°C to 30°C (4°F to 86°F), <85% RH; 30°C to 40°C (86°F to 104°F), <75% RH; 40°C to 50°C (104°F to 122°F), <45% RH"
Relative Humidity	Range: 0 to 100% / Basic Accuracy +/- 2%
Storage temperature and relative humidity [RH]	-20°C to 60°C (-4°F to 140°F), 0 to 80% RH
Warranty	Limited 3-Year Warranty

Specifications subject to change. For the most up-to-date specifications, please visit www.flir.com.

Accessories

Sensors	
Temperature and Humidity Sensor (MR13)	

For technical or sales support, please visit:
https://www.flir.com/contact/contact-us/

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