



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		Includes	
Air Temperature	Range: -20°C to 60°C (-4°F to 140°F) / Basic Accuracy +/- 0.5°C	Packaging Size	Flir EM57, MR13 Replaceable Temperature and Relative Humidity Sensor, Quick Start Guide, 3 AAA Alkaline batteries, Carrying Pouch, and Lanyard
Dew Point	Range: -20°C to 60°C (-4°F to 140°F) / Basic Accuracy +/- 0.5°C	Weight	282 × 150 × 52 cm (11.1 × 25.4 × 2.05 in)
Measurement & Analysis			176 g (6.2 oz)
Calibration Cycle	Once Per Year, Recommended	Environmental & Certifications	
Imaging & Optical		Certifications	CE, FCC
Display Type	LCD Display with Backlight and Multi-Function Indicators	Drop test	2 m (6.6 ft)
Power		EMC	EN61326-1
Auto Power Off (APO)	30 minutes	IP Rating	IP40
Battery life	> 100 hours	Operating Altitude	2000 m (6560 ft)
Battery type	3 LR03/AAA size alkaline batteries	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"
General		Relative Humidity	Range: 0 to 100% / Basic Accuracy +/- 2%
Dimensions	198 × 68.2 × 32.5 mm (7.8 × 2.7 × 1.3 in)	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.