Flir EM57

Thermo-Hygrometer with Meterlink



Key Features:

- Measure air temperature, relative humidity, dew point, and wet bulb temperature to assess occupant comfort, indoor air quality, and overall HVAC performance
- Identify condensation risk, moisture loading, and conditions that can contribute to mold growth or building envelope issues
- Verify environmental conditions before and after system adjustments to support commissioning, diagnostics, and performance optimization
- Capture readings, compare trends, and document results with the Flir Meterlink® app for faster reporting and more efficient service workflows

Main Applications:

- HVAC Service & Commissioning: Humidity, temperature, dew point, and wet bulb checks for comfort, system performance, and troubleshooting
- Building Inspections: Commercial buildings, hospitals, and universities where environmental conditions need to be measured, documented, and monitored.
- Building Restoration & Water Damage Remediation: Monitor drying progress, identify moisture-related risks, document environmental conditions, and support restoration reporting after water intrusion events.

Specifications

User Interface	
Display	LCD Display with Backlight and Multi-Function Indicators
Measurement & Analysis	
Air Temperature	Range: -20°C to 60°C (-4°F to 140°F) / Basic Accuracy +/- 0.5°C
Relative Humidity	Range: 0 to 100% / Basic Accuracy +/- 2%
Dew Point	Range: -20°C to 60°C (-4°F to 140°F) / Basic Accuracy +/- 0.5°C
Wet Bulb	Range: -20°C to 60°C (-4°F to 140°F) / Basic Accuracy +/- 0.5°C
Measuring Resolution	0.1
Calibration Cycle	Once Per Year, Recommended
Communication & Data Storage	
Commnication Protocol	Meterlink
Connectivity	Bluetooth BLE
Power	
Auto Power Off	30 Minutes
Battery	3 LR03/AAA Size Alkaline Batteries
Battery Life	> 100 Hours

General Information	
Dimensions (L × W × H)	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
EMC Standards	EN61326-1
Drop Test	2m (6.6 ft)
IP Rating	IP40
Operating Altitude	2000 m (6560 ft)
Operating Ambient Temperature and Relative Humidity (RH)	-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
Storage Temperature and 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,

For technical or sales support, please visit:

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