# 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<br>30°C to 40°C (86°F to 104°F), <75% RH<br>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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