



## 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 |                                                                 |
| Communication 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 x W x H)                                   | 198 x 68.2 x 32.5 mm (7.8 x 2.7 x 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 x 150 x 52 cm (11.1 x 25.4 x 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, visit [flir.com](http://flir.com).

For technical or sales support, please visit:  
[www.flir.com](http://www.flir.com)

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