

# MarMonix MIT 550E

## Infrared Thermometer

### Data Sheet



### Quick Spec Highlights

- **Measurement Range:** -50 to 550°C (-58 to 1022°F)
- **Accuracy:** ±1.5°C (±2.7°F) or ±1.5% (0 to 550°C) / ±3°C (±5°F) (-50~0°C)
- **Response Time:** 500 ms (95% response)
- **D:S Ratio:** 12:1

### Key Features

- **Wide -50 to 550°C range:** for versatile industrial and laboratory use
- **Adjustable emissivity:** ( preset 0.95) for improved accuracy on different surfaces
- **Laser targeting:** for precise spot measurement
- **Max / Min / Average / Difference display:** to analyze temperature variations
- **High / Low alarm settings:** for safety and process control
- **Automatic shutdown & long battery life:** for efficient operation

### Ordering Info

- **Part Number :** 7603111
- **GTIN:** 6298043998178

### Package Contents

- 1 x MIT 550E (main unit)
- 1 x 9V Battery
- 1 x User Manual
- 1 x Protective Box
- 1 x Certificate of Conformity
- 1 x Warranty Card

### Warranty

This device is covered by a 2-year warranty from the date of purchase, ensuring reliability and long-term support. The warranty applies to defects in materials and workmanship under normal use. It excludes consumables (fuses, disposable batteries) and damage caused by accident, misuse, modification, contamination, or operation outside specified conditions.

### Specifications

| Specifications                  |  |
|---------------------------------|--|
| Temperature range               | -50~550°C (-58~1022°F)   |
| Accuracy                        | 0~550°C(32~1022°F) :±1.5°C(±2.7°F) or ±1.5% of reading (whichever is greater)<br>-50~0°C(-58~32°F):±3°C (±5°F) |
| Resolution                      | 0.1°C or 0.1°F   |
| Repeatability                   | 1% of reading or 1°C   |
| Response time                   | 500 ms, 95% response   |
| Spectral response               | 5-14 um  |
| Emissivity                      | 0.95 Preset  |
| Distance to Spot size           | 12:1   |
| Operating Temperature           | 0 ~40°C (32 ~ 104°F)   |
| Operating Humidity              | 10~95%RH non-condensing, up to 30°C(86°F)  |
| Storage Temperature             | -20 ~ 60°C (-4~140°F)  |
| Power                           | 9V Alkaline or NiCd battery  |
| Typical battery life (Alkaline) | Non-laser mode: 22 hrs;<br>Laser Models:12 hrs   |
| Weight                          | 147.5g   |
| Dimension                       | 153*101*43mm   |