

# MarMonix MIT 700

## Infrared Thermometer

### Data Sheet



### Quick Spec Highlights

- **Measurement Range:** -50°C to 750°C (-58°F to 1382°F)
- **Accuracy:** ±1.5°C (±2.7°F) or ±1.5% (0 to 750°C) / ±3°C (±5°F) (-50 to 0°C)
- **Response Time:** 500 ms (95% response)
- **D:S Ratio:** 12:1

### Key Features

- **Adjustable Emissivity (0.10 to 1.00):** Accurate readings on varied surfaces
- **Comprehensive Data Functions:** Max, Min, Average, and Difference display
- **Laser Targeting:** Precise spot measurement with reduced error
- **User Interface:** LCD backlight, °C/°F conversion, data hold
- **Safety Features:** High/low alarms, auto data storage, auto shut-down
- **Ergonomic & Durable Design:** Lightweight (222g) with robust housing for field and lab use

### Ordering Info

- **Part Number :** 7603121
- **GTIN:** 6298043998185

### Package Contents

- 1 x MIT 700 (main unit)
- 1 x 9V Battery
- 1 x User Manual
- 1 x Protective Storage Case
- 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°C~750°C (-58°F~1382°F)   |
| Accuracy                        | 0°C~750°C(32°F~1382°F) :±1.5°C(±2.7°F) or ±1.5% of reading (whichever is greater)<br>-50°C~0°C(-58°F~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               | 8um~14 um  |
| Emissivity                      | 0.10~1.00 Adjustable (0.95 Preset)   |
| Distance to Spot size           | 12:1   |
| Operating Temperature           | 0°C ~40°C (32°F ~ 104°F)   |
| Operating Humidity              | 10%RH~95%RH non-condensing, up to 30°C(86°F)   |
| Storage Temperature             | -20°C ~ 60°C (-4°F~140°F)  |
| Power                           | 9V Alkaline or NiCd battery  |
| Typical battery life (Alkaline) | Non-laser mode: 22 hrs;<br>Laser Models:12 hrs   |
| Weight                          | 222g   |
| Dimension                       | 111*50*172mm   |