

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

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% -50°C~0°C(-58°F~32°F):±3°C (±5°F) Whichever is greater
Resolution	0.1°C or 0.1°F
Repeatability	1% of reading or 1°C
Response time	500 mSec, 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; Laser Models:12 hrs
Weight	222g
Dimension	111*50*172mm