

MarMonix MIT 320 Infrared Thermometer



Quick Spec Highlights

- **Measurement Range:** -50 to 400°C (-58 to 752°F)
- **Accuracy:** ±1.5°C (±2.7°F) or ±1.5% (0°C to 400°C) / ±3°C (±5°F) (-50°C to 0°C)
- **Response Time:** 500 ms (95% response)
- **D:S Ratio:** 12:1

Key Features

- **Non-contact infrared temperature measurement:** for safe operation
- **Fast response time:** (500 ms) ensures real-time monitoring
- **High-resolution display:** (0.1°C / 0.1°F) for precise readings
- **Stable performance:** with repeatability of 1% or 1°C
- **Fixed emissivity:** (0.95 preset, non-adjustable) for consistent measurement across surfaces
- **Compact and reliable design:** for industrial and laboratory applications

Ordering Info

- **Part Number :** 7603101
- **GTIN:** 6298043998017

Package Contents

- 1 x MIT 320 (main unit)
- 2 x 1.5V AAA 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

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Temperature range	-50 ~ 400°C (-58 ~ 752°F)
Accuracy	0°C~400°C (32°F~752°F) : ±1.5°C(±2.7°F) or ±1.5% of reading (whichever is greater) -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	5-14 um
Emissivity	0.95 Preset
Distance to Spot size	12:1
Operating Temperature	0 ~40°C (32 ~ 104°F)
Operating Humidity	10~90%RH non-condensing, up to 30°C(86°F)
Storage Temperature	-20 ~ 60°C (-4~140°F)
Power	1.5V AAA*2 battery
Typical battery life	up to 12 hours (laser off)