



LOW-TEMPERATURE HANDHELD INFRARED THERMOMETER SPECIFICATIONS

MODEL 100.3ZL

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TEMPERATURE MEASUREMENT

Scale Range:	-40°C to 100°C or -40°F to 212°F
Resolution:	0.1°C or 0.1°F
Accuracy:	±0.5°C or ±0.5°F
Repeatability:	±0.1°C or ±0.2°F
Temperature:	All Functions in °C or °F, Corresponding to Voltage Out
Noise Effective Temperature:	±0.2°C

OPTICAL CONSIDERATIONS

Optical Configuration:	Robust, Aerospace-Quality, Double-Coated Zinc Selenide Optics per Military Specification MIL-C-13508
Spectral Pass Band:	8 < Wavelengths < 14 Microns
Sighting:	Line of Sight
Field of View:	Standard: 4° or 15°

OPERATING CONDITIONS

Operating Environment:	-10°C to 70°C or 14°F to 160°F, up to 99% Relative Humidity, Non-Condensing
Storage Temperature:	Same as Operating Environment Temperature

GENERAL

Response Time:	0.10 Second
Emissivity Compensation:	Settable from 0.2 to 0.98 or Preset at End-User's Request
Operating Distance:	2 cm to 300 meters

INPUTS/OUTPUTS

Power Requirements:	Nickel Cadmium Rechargeable Batteries
Output Signal:	Standard: RS-232C Optional: Analog Millivolt (10.0mV/°C)

WARRANTY

Warranty:	One Year Limited Warranty on Parts & Labor
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Everest Interscience, Inc., has a policy of continued design upgrade. Therefore, we reserve the right to change specifications without notice.