



HIGH-TEMPERATURE HANDHELD DIFFERENTIAL INFRARED THERMOMETER SPECIFICATIONS

TTL/SLR INTRA-OPTICAL LIGHT SIGHTING AND *VARIO-ZOOM* FOCUS
(PATENT NO. 4,494,881 & PATENTS PENDING)

MODEL 6130.4ZH

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TEMPERATURE MEASUREMENT

Scale Range:	-40°C to 1100°C or -40°F to 2000°F
Resolution:	1.0°C or 1.0°F
Accuracy:	±0.5% Full Scale
Repeatability:	±1.0°C or ±1.0°F
Temperature:	All Functions in °C or °F, Corresponding to Voltage Out
Noise Effective Temperature:	0.1°C or 0.1°F
Temperature Measurement Modes:	Surface Temperature, Ambient Dry Bulb Air Temperature and the Differential Between the Two

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:	Patented TTL/SLR Intra-Optical Light Sighting: Visible Light Illuminates the EXACT Target AREA being Measured
Illumination Source:	Light Emitting Diode - SAFE - NO LASERS!
Focus:	Variable from 4° to 20° with <i>Vario-Zoom</i> (Patent Pending)
Display:	Numeric Liquid Crystal Display on Rear Panel

OPERATING CONDITIONS

Operating Environment:	-20°C to 70°C or +14°F to 160°F, up to 99% Relative Humidity, Non-Condensing
Storage Temperature:	Same as Operating Environment Temperature

ELECTRICAL INTERFACE

Power Sources:	Nickel Cadmium Rechargeable Batteries 200 Hours Continuous Use on Full Battery Charge
Output Signal:	-40 mV to 1000 mV at 1.0 mV/°C
Battery Charger:	90-250 Volt, 48-62 Hz. U.L. Listed Standard

GENERAL

Response Time:	<1 Second
Emissivity Compensation:	Settable from 10% to 99% on Rear Panel
Operating Distance:	2 cm to Infinity
Warranty:	One Year Limited Warranty on Parts & Labor

Everest Interscience, Inc., has a policy of continued design upgrade. Therefore, we reserve the right to change specifications without notice.