



## **AGRI-THERM II HANDHELD DIFFERENTIAL INFRARED THERMOMETER SPECIFICATIONS**

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

### **MODEL 6110.4ZL**

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#### **TEMPERATURE MEASUREMENT**

<b>Scale Range:</b>	-40°C to 100°C or -40°F to 212°F
<b>Resolution:</b>	0.1°C or 0.1°F
<b>Accuracy:</b>	±0.5°C or ±1.0°F
<b>Repeatability:</b>	±0.1°C or ±0.2°F
<b>Temperature:</b>	All Functions in °C or °F
<b>Noise Effective Temperature:</b>	<0.1°C or °F
<b>Temperature Measurement Modes:</b>	Surface Temperature, Ambient Dry Bulb Air Temperature and the Differential Between the Two.

#### **OPTICAL CONSIDERATIONS**

<b>Optical Configuration:</b>	Robust, Aerospace-Quality, Double-Coated Zinc Selenide Optics per Military Specification MIL-C-13508
<b>Spectral Pass Band:</b>	8 < Wavelengths <14 Microns
<b>Sighting:</b>	Patented TTL/SLR Intra-Optical Light Sighting: Visible Light Illuminates the EXACT Target AREA being Measured
<b>Illumination Source:</b>	Light Emitting Diode - SAFE - NO LASERS!
<b>Focus:</b>	Variable from 4° to 20° with <i>Vario-Zoom</i> (Patent Pending)
<b>Display:</b>	Numeric Liquid Crystal Display on Rear Panel

#### **OPERATING CONDITIONS**

<b>Operating Environment:</b>	-10°C to 70°C or -5°F to 160°F, up to 99% Relative Humidity, Non-Condensing
<b>Storage Temperature:</b>	Same as Operating Environment Temperature

#### **ELECTRICAL INTERFACE**

<b>Power Sources:</b>	Rechargeable Nickel Cadmium Batteries 40 Hours Continuous Use on Full Battery Charge
<b>Output Signal:</b>	-40 mV to 100 mV at 10 mV/°C
<b>Battery Charger:</b>	100-240 Volt, 50-60 Hz. U.L. Listed Standard

#### **GENERAL**

<b>Response Time:</b>	<1 Second
<b>Emissivity Compensation:</b>	Settable from 10% to 99% on Rear Panel
<b>Operating Distance:</b>	2 cm to Infinity
<b>Warranty:</b>	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.