



VARIO-ZOOM LOW-TEMPERATURE FIXED-MOUNTED MINIATURE INFRARED TEMPERATURE TRANSDUCER SPECIFICATIONS

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

MODEL 6000.1ZL

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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 ±1.0°F
Repeatability:	±0.1°C or ±0.2°F
Temperature:	All Functions in °C or °F
Noise Effective Temperature:	<0.1°C or °F

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 2° to 20° with <i>Vario-Zoom</i> (Patent Pending)

OPERATING CONDITIONS

Operating Environment:	-40°C to 100°C or -40°F to 200°F, up to 99% Relative Humidity, Non-Condensing
Storage Temperature:	Same as Operating Environment Temperature

ELECTRICAL INTERFACE

Power Requirements:	5 V to 26V DC (Current Draw: 40 mA)
Output Signal:	Standard: 4-20 mA, 0-5 Volts or 1.0 mV/°C Optional: Type J or K Thermocouple

GENERAL

Response Time:	0.10 Second
Emissivity Compensation:	0.1 to 0.98 Settable
Operating Distance:	2 cm to 300 Meters
Dimensions:	7/8" Diameter by 2-1/2" Length
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.