



# ANALOG LOW-TEMPERATURE FIXED-MOUNTED INFRARED TEMPERATURE SENSOR SPECIFICATIONS

## MODEL 4000.4ZL

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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>	±0.2°C

### 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>	Line of Sight
<b>Field of View:</b>	Standard: 4° or 15°

### OPERATING CONDITIONS

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

### ELECTRICAL INTERFACE

<b>Power Requirements</b>	5V to 26V DC (Current Draw: 10 mA + Current Signal)
<b>Output Signal:</b>	Standard: Analog Millivolt (10.0 mV/°C) Optional: 4-20 mA; 0-5 Volt

### GENERAL

<b>Response Time:</b>	<1 Second
<b>Emissivity Compensation:</b>	0.1 to 0.98 Settable
<b>Operating Distance:</b>	2 cm to 300 Meters
<b>Dimensions:</b>	2" Diameter by 3" Length
<b>Mounting:</b>	Ball & Socket Swivel Mount
<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.