



DIGITAL/ANALOG HIGH-TEMPERATURE FIXED-MOUNTED INFRARED TEMPERATURE SENSOR SPECIFICATIONS

MODEL 4000.3ZH

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TEMPERATURE MEASUREMENT

Scale Range:	-30°C to 1100°C or -22°F to 2000°F; Models with Thermocouple Type J or K Outputs: -30°C to 760°C or -30°F to 1390°F
Resolution:	1.0°C or 1.0°F
Accuracy:	±0.5% Full Scale
Repeatability:	±1.0°C or ±2.0°F
Temperature:	All Functions in °C or °F
Noise Effective Temperature:	±1.0°C or ±1.0°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:	Line of Sight
Field of View:	Standard: 2° 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

INPUTS/OUTPUTS

Power Requirements	5V to 26V DC (Current Draw: 30 mA)
Output Signal:	Standard: RS-232C and Analog Millivolt (1.0 mV/°C) Optional: 4-20 mA*; 0-5 Volt and Type J or K Simulated Thermocouple (*mA output user must supply 15-26V DC)

GENERAL

Response Time:	0.10 Second
Emissivity Compensation:	Preset at 0.98 or at End-User's Request
Operating Distance:	2 cm to 300 Meters
Dimensions:	2" Diameter by 3" Length
Mounting:	Ball & Socket Swivel Mount
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.