



SNOW-THERM FIXED-MOUNTED INFRARED TEMPERATURE SENSOR SPECIFICATIONS

MODEL 4000 SNOW

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TEMPERATURE MEASUREMENT

Scale Range:	-40°C to 70°C
Resolution:	0.1°C
Accuracy:	±0.3°C from -10°C to +10°C; ±0.5°C under -10°C or over +10°C
Repeatability:	±0.1°C
Temperature:	All Functions in °C
Noise Effective Temperature:	±0.2°C

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: 4°

OPERATING CONDITIONS

Operating Environment:	-40°C to 70°C up to 99% Relative Humidity, Non-Condensing
Storage Temperature:	Same as Operating Environment Temperature

ELECTRICAL INTERFACE

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

GENERAL

Response Time:	0.1 Second
Emissivity Compensation:	0.2 to 0.98 Settable
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.