



ANALOG HIGH-TEMPERATURE FIXED-MOUNTED INFRARED TEMPERATURE SENSOR SPECIFICATIONS

MODEL 4000.4ZH

1891 North Oracle Road Tucson, AZ 85705 • P.O. Box 5276 Tucson, AZ 85703-0276
Toll Free: (800) 422-4342 • Phone: (520) 792-4545 • Fax: (520) 792-4546
Internet: EverestInterscience.com • E-Mail: info@EverestInterscience.com

TEMPERATURE MEASUREMENT

Scale Range:	-40°C to 1100°C or -40°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:	±1% of Reading, ±1.0°C or °F
Repeatability:	±1.0°C or ±2.0°F
Temperature:	All Functions in °C or °F
Noise Effective Temperature:	<1.0°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: 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

ELECTRICAL INTERFACE

Power Requirements	5V to 26V DC (Current Draw: 10 mA + Current Signal)
Output Signal:	Standard: Analog Millivolt (1.0 mV/°C) Optional: 4-20 mA; 0-5 Volt & and Type J or K Simulated Thermocouple

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.