



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

MODEL 4000.3ZL

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 100°C or -40°F to 212°F
Resolution:	0.1°C or 0.1°F
Accuracy:	±0.5°C or ±0.5°F
Repeatability:	±0.1°C or ±0.2°F
Temperature:	All Functions in °C or °F
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° or 15°

OPERATING CONDITIONS

Operating Environment:	-20°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: RS-232C and Analog Millivolt (10.0 mV/°C) Optional: 4-20 mA*; 0-5 Volt (*mA output user must supply 15-26V DC)

GENERAL

Response Time:	0.1 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.