LOW-TEMPERATURE MICRO-MINIATURE INFRARED THERMOMETER SYSTEM SPECIFICATIONS

MODEL 3800ZL

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, Corresponding to Voltage/Current Out
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	4° Standard; 15° Optional

OPERATING CONDITIONS

Operating Environment:	-40°C to 100°C or -40°F to 200°F, up to 99% Relative Humidity, Non-Condensing
Storage Temperature:	Same as Operating Environment Temperature

ELECTRICAL INTERFACE

Power Requirements:	5 V to 26V DC (Current Draw: 10 mA)
Output Signal:	Standard: mV (10.0 mV/°C) Optional: 0-5 Volt, 4-20 mA and Type J or K Simulated Thermocouple

GENERAL

Response Time:	.250 Second
Emissivity Compensation:	0.1 to 0.98 Settable
Operating Distance:	2 mm to 300 Meters
Dimensions:	5/8” Diameter by 2-1/4” Length
Warranty:	One-Year Limited Warranty on Parts & Labor

Printed in USA
3800ZL 4-2008