



SPECIFICATIONS FOR HANDHELD INFRARED TEMPERATURE SENSOR INDUSTRA-THERM II™ 6210H (6130H)

TEMPERATURE MEASUREMENT

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| SCALE RANGE: | -40°C TO 1100°C |
| RESOLUTION: | 1.0°C |
| ACCURACY: | ±1% OF READING ±1.0° |
| REPEATABILITY: | ±1.0°C |
| TEMPERATURE: | ALL FUNCTIONS IN °C, CORRESPONDING TO VOLTAGE OUTPUT |
| NOISE EFFECTIVE TEMPERATURE: | <0.1°C |
| TEMPERATURE MEASUREMENT MODES: | SURFACE TEMPERATURE, AMBIENT DRY BULB TEMPERATURE AND TEMPERATURE DIFFERENTIAL (U.S. PATENT NO. 4,301,682) |

OPTICAL CONSIDERATIONS

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| OPTICAL CONFIGURATION: | ROBUST, AEROSPACE-QUALITY, DOUBLE-COATED ZINC SELENIDE OPTICS PER MILITARY SPECIFICATION MIL-C-13508 |
| SPECTRAL PASS BAND: | 8 < WAVELENGTHS < 14 MICRONS |
| SIGHTING: | TTL/SLR INTRA-OPTICAL LIGHT SIGHTING: VISIBLE LIGHT ILLUMINATES FIELD OF VIEW (PATENT NO. 4,494,881) |
| ILLUMINATION SOURCE: | LIGHT EMITTING DIODE- SAFE- NO LASERS! |
| FIELD OF VIEW: | VARIABLE FROM 4° DOWN TO 2 MM WITH VARIO-ZOOM™ FIELD-VARIABLE-FOCUS (PATENT NO. 7,355,178) |
| DISPLAY: | NUMERIC LIQUID CRYSTAL DISPLAY ON REAR PANEL |

OPERATING CONDITIONS

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| OPERATING ENVIRONMENT: | -20°C TO 65°C OR +14°F TO 150°F, UP TO 99% RELATIVE HUMIDITY, NON-CONDENSING |
| STORAGE TEMPERATURE: | SAME AS OPERATING ENVIRONMENT TEMPERATURE |

ELECTRICAL INTERFACE

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| POWER SOURCES: | RECHARGEABLE NICKEL METAL HYDRIDE BATTERIES 10 HOURS CONTINUOUS USE ON FULL BATTERY CHARGE |
| OUTPUT SIGNAL: | ANALOG MILLIVOLT (-40mV TO 1100mV AT 1.0mV/°C) |

GENERAL

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| RESPONSE TIME: | <1 SECOND |
| EMISSIVITY COMPENSATION: | SETTABLE FROM 10% TO 99% ON REAR PANEL |
| SKY RADIATION DETECTION/ CORRECTION | STANDARD SKY-SPY™ SYSTEM FOR DETECTION & CORRECTION OF UNWANTED SKY RADIATION (U.S. PATENT NO. 4,420,265) |
| OPERATING DISTANCE: | 2 CM TO INFINITY |
| EMBEDDED DATA LOGGER (OPTIONAL): | CUSTOM MADE DATA LOGGER; EASY USB CONNECTION; USES MICROSOFT EXCEL |
| WARRANTY: | ONE-YEAR LIMITED WARRANTY ON PARTS AND LABOR |

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EVEREST INTERSCIENCE INC

2888 English Road, Chino Hills, CA 91709 USA

Tel: (714) 478-1616 • Fax: (909) 590-7467

E-mail: Info@EverestInterscience.com

Website: EverestInterscience.com