



VARIO-THERM™

SPECIFICATIONS FOR FIXED-MOUNTED INFRARED TEMPERATURE SENSOR

MODEL 6000L

TEMPERATURE MEASUREMENT

SCALE RANGE:	-40°C TO 100°C
RESOLUTION:	0.1°C
ACCURACY:	±0.5°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:	TTL/SLR INTRA-OPTICAL LIGHT SIGHTING (U.S. PATENT NO. 4,494,881)
FOCUS:	FIELD FOCUSABLE, CONVERGING OPTICS FROM 2MM TO 4° USING VARIO-ZOOM™ (U.S. PATENT NO. 7,355,187)

OPERATING CONDITIONS

OPERATING ENVIRONMENT:	-10°C TO 100°C, UP TO 99% RELATIVE HUMIDITY, NON-CONDENSING
STORAGE TEMPERATURE:	SAME AS OPERATING ENVIRONMENT TEMPERATURE

ELECTRICAL INTERFACE

POWER REQUIREMENTS:	5V TO 26V DC 90 VAC - 250VAC, 50/60 HZ
OUTPUT SIGNAL:	STANDARD: ANALOG: MILLIVOLT (10mV/°C) DIGITAL: USB 2.0 I²C FORMAT OPTIONAL: TYPE K THERMOCOUPLE

GENERAL

RESPONSE TIME:	.10 SECOND
EMISSIONITY COMPENSATION:	PRESET TO 0.97(DEFAULT)/CUSTOMER'S SPECIFICATION
OPERATING DISTANCE:	2 CM TO 300 METERS
DIMENSIONS:	7/8" DIAMETER BY 2-2/3" LENGTH
WARRANTY:	ONE-YEAR LIMITED WARRANTY ON PARTS AND LABOR

EVEREST HAS A POLICY OF CONTINUED DESIGN UPGRADE. THEREFORE, WE RESERVE THE RIGHT TO CHANGE SPECIFICATIONS WITHOUT NOTICE.

EVEREST INFRARED THERMOMETRY

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