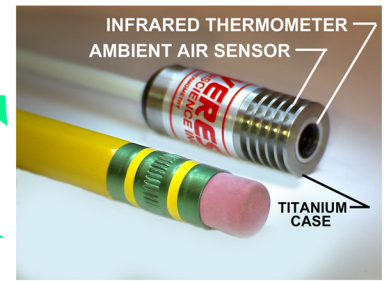




SPECIFICATIONS

3000 GT

Green Therm



TEMPERATURE MEASUREMENT:

SCALE RANGE	-70°C TO 100 °C
ACCURACY	+/- 0.25°C AFTER FIELD CALIBRATION

OPTICS:

OPTICAL DESIGN	ROBUST, AEROSPACE-QUALITY, COATED SILICON OPTICS
SPECTRAL PASS BAND	8 <WAVELENGTHS<14 MICRONS
SIGHTING	LINE-OF-SIGHT
FIELD-OF-VIEW	STANDARD: 10° CONE (6:1); 5° CONE (12:1)

ENVIRONMENT CONDITIONS:

OPERATING ENVIRONMENT	-40°C TO 125°C UP TO 95 % REL. HUMID. NON- CONDENSING
STORAGE TEMPERATURE	SAME AS OPERATING ENVIRONMENT TEMPERATURE

ELECTRICAL INPUT:

POWER REQUIREMENTS	AC/DC; 3 TO 40 Vdc @ 3 ma; 90 TO 250 Vac 50/60 Hz
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OUTPUTS:

DATA	DIGITAL	FORMATS	RS-232; USB 2.0; I²C
		IR TARGET TEMPERATURE	INSTANTANEOUS TARGET TEMPERATURE
			AVERAGE TARGET TEMPERATURE AMBIENT AIR TEMPERATURE
	ANALOG	AMBIENT AIR TEMP	$\Delta T (T_{IR} - T_{Air})$
		FORMATS	0-3V SCALED, 10 mv/deg. C SLOPE, 1000mv OFFSET @ 25°C
		IR TARGET TEMPERATURE	INSTANTANEOUS TARGET TEMPERATURE

GENERAL:

RESPONSE TIME	<200 milliseconds
EMISSIVITY COMPENSATION	OFFSET, SLOPE, AND EMISSIVITY ARE ADJUSTED AUTOMATICALLY DURING FIELD CALIBRATION PROCEDURE
CALIBRATION	
OPERATING DISTANCE	2 cm TO 300 METERS
DIMENSIONS	10mm DIAMETER BY 25 mm LENGTH
WEIGHT	17 grams
WARRANTY	LIMITED LIFETIME WARRANTY (REPLACE WITH NEW UNIT)

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

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