



SPECIFICATIONS

3000 USB infrared Thermometer and in-situ Ambient Air Sensor

Items in RED are optional at extra cost



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	USB 2.0
		IR TARGET TEMPERATURE	INSTANTANEOUS TARGET TEMPERATURE PEAK TARGET TEMPERATURE VALLEY TARGET TEMPERATURE AVERAGE TARGET TEMPERATURE AMBIENT AIR TEMPERATURE PEAK AMBIENT AIR TEMPERATURE VALLEY AMBIENT AIR TEMPERATURE $\Delta T(T_{IR} - T_{AIR})$
	ANALOG	FORMATS	0-3V SCALED, 10 mv/deg. 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)

PLEASE REPLY TO:

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