



## SPECIFICATIONS FOR FIXED-MOUNTED INFRARED TEMPERATURE SENSOR

### Model 3000 MD

#### TEMPERATURE MEASUREMENT

SCALE RANGE:	-70°C TO 400°C
ACCURACY:	±0.5°C FROM 0°C TO 50°C & ±1% ELSEWHERE

#### OPTICAL CONSIDERATIONS

OPTICAL CONSIDERATIONS:	ROBUST, AEROSPACE-QUALITY, DOUBLE-COATED SILICON OPTICS
SPECTRAL PASS BAND:	5 < WAVELENGTHS < 14 MICRONS
SIGHTING:	LINE-OF-SIGHT
FIELD OF VIEW:	STANDARD: 10° CONE (6:1); W/AUX. LENSES TO 100:1

#### OPERATING CONDITIONS

OPERATING ENVIRONMENT:	-40°C TO 100°C UP TO 95% RELATIVE HUMIDITY, NON-CONDENSING
STORAGE TEMPERATURE:	SAME AS OPERATING ENVIRONMENT TEMPERATURE

#### ELECTRICAL INTERFACE

POWER REQUIREMENTS:	AC/DC; 5 TO 40 Vdc @ 3 Ma; 90 TO 250 Vac 50/60 Hz
ANALOG INTERFACE FORMATS:	0-5 VOLTS (SCALED -70°C TO 500°C)
	10mV/°C (0°C TO 500°C)
DIGITAL INTERFACE FORMAT:	ASYNCRONOUS: RS-232 (TTL LEVEL)

#### GENERAL

RESPONSE TIME:	<1.0 SECOND
EMISSIVITY COMPENSATION:	0.1 TO 1.10/ADJUSTABLE IN THE FIELD WITHOUT TOOLS
CALIBRATION:	BOTH SLOPE & OFFSET ADJUSTABLE IN THE FIELD WITHOUT TOOLS
OPERATING DISTANCE:	2 CM TO 300 METERS
DIMENSIONS:	9.0MM DIAMETER BY 25MM LENGTH
WEIGHT:	14 GRAMS
WARRANTY:	ONE-YEAR LIMITED WARRANTY (REPLACE WITH NEW UNIT)

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