



DRONE-THERM™

DRONE-THERM™ (MODEL 3800LM) INFRARED THERMOMETER

- **OPTIMIZED FOR SMALL UNMANNED AIRCRAFT**
- **WEIGHS ONLY 14 GRAMS**
- **HERMETICALLY SEALED**
- **ENCAPSULATED SOLID**
- **EXTREMELY ROBUST**
- **UNCOMPROMISED PERFORMANCE**

SPECIFICATIONS

TEMPERATURE MEASUREMENT

SCALE RANGE:	-50°C TO 100°C
ACCURACY:	±0.5°C

OPTICAL CONSIDERATIONS

SPECTRAL PASS BAND:	8 < WAVELENGTHS < 14 MICRONS
SIGHTING:	LINE-OF-SIGHT
FIELD OF VIEW:	STANDARD: 10° CONE; OPTIONAL: 5° CONE

OPERATING CONDITIONS

OPERATING ENVIRONMENT:	-40°C TO 100°C, UP TO 99% RELATIVE HUMIDITY, NON-CONDENSING
STORAGE TEMPERATURE:	SAME AS OPERATING ENVIRONMENT TEMPERATURE

ELECTRICAL INTERFACE

POWER REQUIREMENTS:	5V TO 50V DC (CURRENT DRAW: 3 Ma MAX)
OUTPUT SIGNAL:	STANDARD: ANALOG MILLIVOLT (10mV/°C)

GENERAL

RESPONSE TIME:	<1 SECOND
EMISSIVITY COMPENSATION:	0.98 (DEFAULT)/OR TO CUSTOMER'S SPECIFICATION
OPERATING DISTANCE:	2 CM TO 300 METERS
DIMENSIONS:	9.0MM DIAMETER BY 23MM LENGTH
WEIGHT:	14 GRAMS
WARRANTY:	ONE-YEAR LIMITED WARRANTY ON PARTS AND LABOR

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

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