

SPECIFICATIONS

Specifications are subject to change without notice. Specific warranty remedy limitations apply. Call (603) 456-2011 or go to madgetech.com for details.

TEMPERATURE	
Temperature Sensor	Resistance Temperature Detector (RTD)
Temperature Range	-40 °C to +80 °C (-40 °F to +176 °F)
Temperature Resolution	0.01 °C (0.018 °F)
Calibrated Accuracy	±0.5 °C (0 °C to ±55 °C), ±0.9 °F (32 °F to 131 °F)

GENERAL	
Start Modes	Software programmable immediate start or delay start up to 24 months in advance
Real Time Recording	May be used with PC to monitor and record data in real time
Password Protection	Yes
Memory	65,536 Readings
Wrap Around	Yes
Reading Rate	1 reading every second up to 1 reading every 24 hours
Calibration	Digital calibration through software
Calibration Date	Automatically recorded within device and displayed in software
Battery Type	Tadiran TL-2150/S 3.6V lithium battery included, user replaceable in a non-hazardous location
Battery Life	2 years typical at 15 minute reading rate
Time Accuracy	10 seconds/month (at 0 °C to 50 °C)
Data Format	Date and time stamped °C, °F, K, °R
Computer Interface	IFC400 or IFC406
Operating System Compatibility	Windows 7 or later

Software Compatibility	Standard Software version 4.2.19.1 or later Secure Software version 4.2.18.0 or later
Operating Environment	-40 °C to +80 °C (-40 °F to +176 °F) 0 %RH to 100 %RH (case properly sealed)
Dimensions	Without Key Ring: 1 inch probe: 2.66 in x 0.97 in dia. (67.6 mm x 24.6 mm dia.) 2 inch probe: 3.94 in x 0.97 in dia. (100.1 mm x 24.6 mm dia.) 5.25 inch probe: 7.19 in x 0.97 in dia. (182.6 mm x 24.6 mm dia.) 7 inch probe: 8.94 in x 0.97 in dia. (227.1 mm x 24.6 mm dia.) With Key Ring: 1 inch probe: 2.97 in x 0.97 in dia. (75.4 mm x 24.6 mm dia.) 2 inch probe: 4.26 in x 0.97 in dia. (108.3 mm x 24.6 mm dia.) 5.25 inch probe: 7.52 in x 0.97 in dia. (200.0 mm x 24.6 mm dia.) 7 inch probe: 9.26 in x 0.97 in dia. (235.1 mm x 24.6 mm dia.)
Weight	Without Key Ring: 1 inch probe: 2.1 oz (60 g) 2 inch probe: 2.4 oz (68 g) 5.25 inch probe: 2.7 oz (76 g) 7 inch probe: 2.8 oz (78 g) With Key Ring: 1 inch probe: 1.9 oz (55 g) 2 inch probe: 2.2 oz (63 g) 5.25 inch probe: 2.5 oz (71 g) 7 inch probe: 2.7 oz (75 g)
Material	316 Stainless Steel/Radel
IP Rating	IP68
Approvals	CE FM Class 3600, latest revision FM Class 3610, latest revision CAN/CSA-C22.2 No. 60079-0:15 CAN/CSA-C22.2 No. 60079-11:14

BATTERY WARNING: FIRE, EXPLOSION, AND SEVERE BURN HAZARD. DO NOT SHORT CIRCUIT, CHARGE, FORCE OVER DISCHARGE, DISASSEMBLE, CRUSH, PENETRATE OR INCINERATE. BATTERY MAY LEAK OR EXPLODE IF HEATED ABOVE 80 °C (176 °F).

Ordering Information

Temp1000IS-1	PN 902214-00	Intrinsically Safe Temperature Data Logger with 1 inch probe
Temp1000IS-2	PN 902215-00	Intrinsically Safe Temperature Data Logger with 2 inch probe
Temp1000IS-5.25	PN 902216-00	Intrinsically Safe Temperature Data Logger with 2.25 inch probe
Temp1000IS-7	PN 902217-00	Intrinsically Safe Temperature Data Logger with 7 inch probe
Temp1000IS-1-KR	PN 902219-00	Intrinsically Safe Temperature Data Logger with 1 inch probe and key ring end cap
Temp1000IS-2-KR	PN 902220-00	Intrinsically Safe Temperature Data Logger with 2 inch probe and key ring end cap
Temp1000IS-5.25-KR	PN 902221-00	Intrinsically Safe Temperature Data Logger with 5.25 inch probe and key ring end cap
Temp1000IS-7-KR	PN 902222-00	Intrinsically Safe Temperature Data Logger with 7 inch probe and key ring end cap
IFC400	PN 900319-00	Docking station with USB cable
IFC406	PN 900325-00	6 Port, Multiplexer docking station with USB cable
TL-2150/S	PN 901745-00	Replacement battery for the Temp1000IS and Temp1000IS-KR