



# PRTEMP1000IS SPECIFICATIONS\*

Temperature Sensor:	Semiconductor
Temperature Range:	-40 °C to +80 °C (-40 °F to +176 °F)
Temperature Resolution:	0.1 °C (0.18 °F)
Calibrated Accuracy:	±0.5 °C (±0.9 °F)
Pressure Sensor:	Semiconductor strain gauge
Pressure Range:	0 to 30, 100, 300 and 500 PSIA/G; 0 to 1000 and 5000 PSIA
Pressure Resolution:	0.002, 0.005, 0.02, 0.05 PSIA/G; 0.05, 0.2 PSIA
Calibrated Accuracy:	2 %FSR, 0.25 % @ 25 °C typical
Pressure Response Time:	0.1 ms (10 to 90 %FSR)
Repeatability:	±0.5 %FSR; ±0.2 % typical
Adaptor:	1/4" male NPT
Start Modes:	Software programmable immediate start or delay start up to six months in advance
Real Time Recording:	May be used with PC to monitor and record data in real time

**BATTERY WARNING:** RISK OF FIRE OR EXPLOSION. DO NOT RECHARGE, FORCE OPEN, HEAT OR DISPOSE OF IN FIRE.

Memory:	16,383 readings per channel; 32,766 total readings
Reading Rate:	1 reading every 2 seconds up to 1 reading every 12 hours
Calibration:	Digital calibration through software
Calibration Date:	Automatically recorded within device
Battery Type:	3.6 V lithium battery included; user replaceable
Battery Life:	1 year typical (1 minute reading rate @ 25 °C)
Data Format:	Date and time stamped °C, °F, K, °R ; PSIA(g), inches, feet, mmHg, bar, Torr, kPa,
Time Accuracy:	±1 minute/month (at 20 °C, RS232 port not in use)
Computer Interface:	PC serial or USB (interface cable required); 2,400 baud
Software:	XP SP3/Vista/Windows 7/Windows 8
Operating Environment:	-40 °C to +80 °C (-40 °F to +176 °F), 0 %RH to 100 %RH
Dimensions:	6.4 in x 1.25 in dia. (163 mm x 32 mm dia.)
Weight:	12 oz (340 g)
Material:	Stainless Steel
Approvals:	CE FM Certified Intrinsically Safe for Class I, Division 1 groups A, B, C and D

## ORDERING INFORMATION

MODEL	DESCRIPTION	
PRTEMP1000IS-30	0-30PSIA(G) Intrinsically Safe Pressure and Temperature Recorder	
PRTEMP1000IS-100	0-100PSIA(G) Intrinsically Safe Pressure and Temperature Recorder	
PRTEMP1000IS-300	0-300PSIA(G) Intrinsically Safe Pressure and Temperature Recorder	
PRTEMP1000IS-500	0-500PSIA(G) Intrinsically Safe Pressure and Temperature Recorder	
PRTEMP1000IS-1000	0-1000PSIA Intrinsically Safe Pressure and Temperature Recorder	
PRTEMP1000IS-5000	0-5000PSIA Intrinsically Safe Pressure and Temperature Recorder	
IFC200	Software, manual and USB interface cable	
Calibration	Calibration Certificate	
TL-2150	Replacement battery for PRTemp1000IS	
MadgeTech 4 Secure Software License	License for MadgeTech Secure Software (unlimited users, 1 license per computer, more licenses are available.)	

ASK ABOUT OUR OTHER DATA LOGGERS

- Temperature
- Humidity
- Pressure
- pH
- Level
- Shock
- LCD Display
- Pulse/Event/State
- Current
- Voltage
- Wireless
- Intrinsically Safe
- Spectral Vibration
- Motion