



# PRTEMP1000IS SPECIFICATIONS\*

\*SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE. SPECIFIC WARRANTY REMEDY LIMITATIONS APPLY. CALL 1-603-456-2011 OR GO TO WWW.MADGETECH.COM FOR DETAILS.

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

<b>Memory:</b>	16,383 readings per channel; 32,766 total readings
<b>Reading Rate:</b>	1 reading every 2 seconds up to 1 reading every 12 hours
<b>Calibration:</b>	Digital calibration through software
<b>Calibration Date:</b>	Automatically recorded within device
<b>Battery Type:</b>	3.6 V lithium battery included; <b>user replaceable</b>
<b>Battery Life:</b>	1 year typical (1 minute reading rate @ 25 °C)
<b>Data Format:</b>	Date and time stamped °C, °F, K, °R ; PSIA(g), inches, feet, mmHg, bar, Torr, kPa,
<b>Time Accuracy:</b>	±1 minute/month (at 20 °C, RS232 port not in use)
<b>Computer Interface:</b>	PC serial or USB (interface cable required); 2,400 baud
<b>Software:</b>	XP SP3/Vista/Windows 7/Windows 8
<b>Operating Environment:</b>	-40 °C to +80 °C (-40 °F to +176 °F), 0 %RH to 100 %RH
<b>Dimensions:</b>	6.4 in x 1.25 in dia. (163 mm x 32 mm dia.)
<b>Weight:</b>	12 oz (340 g)
<b>Material:</b>	Stainless Steel
<b>Approvals:</b>	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
IFC110	Software, manual and RS232 interface cable
IFC200	Software, manual and USB interface cable
Calibration Certificate	Calibration Certificate available for data logger
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

For Quantity Discounts call 603-456-2011 or email [sales@madgetech.com](mailto:sales@madgetech.com)