MADGE TECH
WE BUILD DATA LOGGERS

PRHTEMP101
PRESSURE, HUMIDITY & TEMPERATURE RECORDER

Features

- N.I.S.T. traceable
- Real-time operation
- Low cost
- Programmable start time
- Reusable
- Miniature size
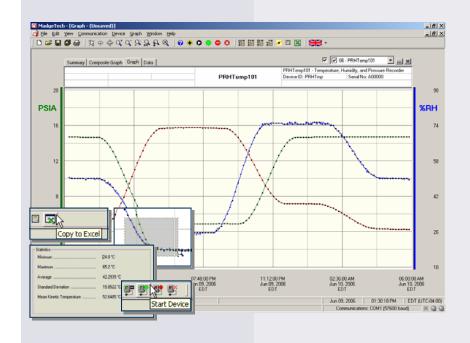- User-friendly
- CE compliant

Applications

- Altitude validation
- Warehouse monitoring
- HVAC
- Medical and Pharmaceutical
- Museum monitoring
- Environmental studies
- Implement HACCP programs
- Research and Development
- Food and storage
- Shipping live cargo

The PRHTemp101 is a miniature, battery powered, stand alone pressure, humidity and temperature recorder. This is an all-in-one compact, portable, easy to use device that will measure and record up to 13,107 measurements. The storage medium is non-volatile solid state memory, providing maximum data security even if the battery becomes discharged. The device can be started and stopped directly from your computer and it's small size allows it to fit almost anywhere. The PRHTemp101 makes data retrieval quick and easy. Simply plug it into an empty COM or USB port and our user-friendly software does the rest.

Pressure, Humidity & Temperature Recorder

PRHTemp101

Range
-40ºC to +80ºC
0 to 95 %RH
0 to 30 PSIA

CE

MadgeTech Data Recorder Software displays pressure, humidity and temperature data in an easy to use graph.

The Windows®-based software package allows the user to effortlessly collect, display and analyze data. A variety of powerful tools allow you to examine, export, and print professional looking data with just a click of the mouse.

Click MadgeTech Software for more information or to download the software.

PRHTEMP101 SPECIFICATIONS*

Temperature Range:	-40 to +80°C	**Memory:**	13,107 readings per channel (39,321 total memory)
Temperature Resolution:	0.1°C	**Reading Interval:**	1 reading every 2 seconds to 1 every 12 hours
Calibrated Accuracy:	±0.5°C(0 to +50°C)	**Calibration:**	Digital calibration through software
		Calibration Date:	Automatically recorded within device
Humidity Range:	0 to 95%RH	**Power:**	3.6V lithium battery included
Humidity Resolution:	0.5%RH	**User Replaceable Battery:**	1 year typical
Calibrated Accuracy:	±3%RH (±2%RH typical at 25°C)	**Data Format:**	Date and time stamped °C, °F, K, °R ; %RH, mg/ml water vapor concentration; PSIA, inHg, mmHg, bar, atm, Torr, Pa, kPa, MPa, altitude
Specified Accuracy Range:	+10 to +40°C, 10 to 80%RH		
Pressure Range:	0 to 30PSIA	**Time Accuracy:**	±1 minute/month (at 20°C, RS232 cable not in use)
Pressure Resolution:	0.002PSIA	**Computer Interface:**	PC serial or USB (interface cable required); 2,400 baud
Calibrated Accuracy:	±1.0%FSR at 25°C; ±0.2% typical	**Software:**	Windows 95/98/ME/NT/2000/XP based software
Start Time:	Software programmable start time and date, up to six months in advance	**Operating Environment:**	-40 to +80°C, 0 to 95%RH non-condensing
		Dimensions:	1.7" x 2.3" x 0.9" (44mm x 59mm x 23mm)
Real Time Recording:	May be used with PC to monitor and record data in real time	**Weight:**	1.1 oz (31 g)
		Approvals:	CE

BATTERY WARNING: FIRE, EXPLOSION, AND SEVERE BURN HAZARD. DO NOT RECHARGE, DISASSEMBLE, HEAT ABOVE 212°F, INCINERATE OR EXPOSE CONTENTS TO WATER.

SOFTWARE FEATURES

Multiple Graphs:	Simultaneously analyze data from several units or deployments; easily switch to a single data series	**Statistics:**	Calculate averages, min, max, standard deviation, and mean kinetic temperature with the touch of a button
Real-Time Recording:	Collect and display data in real-time while continuing to log	**Export Data:**	Export data in a variety of common formats, or switch to Excel® with a single click
Graphical Cursor:	One click displays readings by time, value, parameter or sample number	**Calibration:**	Automatically calculate and store calibration parameters
Data Table:	Instantly access tabular view for detailed dates, times, values, and annotations	**Logger Configuration:**	Easy set up and launch of data loggers with immediate or delayed start, preferred sample rate, and device ID
Scaling Options:	Autoscale function fits data to the screen, or allows user to manually enter their own values	**Communications:**	Automatically sets up communications port, or lets user select configuration
Formatting Options:	Change colors, line styles, plotting options, show or hide channels quickly	**Printing:**	Automatically print graphical or tabular data

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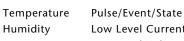
ORDERING INFORMATION

Model	Description	Price (U.S.)
PRHTEMP101	Pressure, Humidity and Temperature Recorder	$299.00
IFC110	Software, manual and RS232 interface cable	$99.00
IFC200	Software, manual and USB interface cable	$119.00
NIST	N.I.S.T. Calibration Certificate	Call for Pricing
LTC-7PN	Replacement battery for PRHTemp101	$10.00

For Quantity Discounts call 603-456-2011 or email sales@madgetech.com

ASK ABOUT OUR OTHER DATA RECORDERS

Temperature	Pulse/Event/State
Humidity	Low Level Current
Pressure	Low Level Voltage
pH	RF Transmitters
Level	Intrinsically Safe
Shock	Spectral Vibration

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