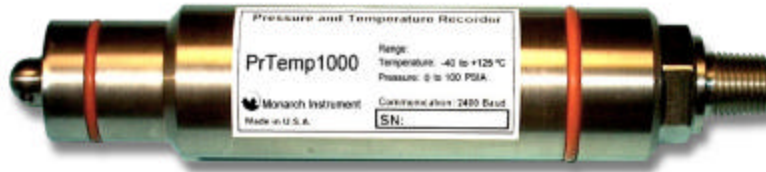




DataChart^â PrTemp1000

Rugged High Temperature and Pressure Data Logger



6.3"

Features

- Ruggedized/Small
- Pressure Range: 0 psia to 500 psia(g)
- Temperature Range: 0°C to +80°C
- Humidity: 0% to 99% RH
- Memory Size: 16,383 per channel
- 0.01 psia(g) resolution
- Reusable
- User Calibration through Software
- No Programming experience necessary
- Real Time Operation
- Low Cost
- Quick Set-up
- Record Keeping Simplified

Applications

- Pneumatics
- Medical Instrumentation
- Environmental Studies
- Replace Costly Strip Chart Recorders
- HVAC
- Water and Waster water Applications

Description

This Transient Pressure Logger is a battery powered, stand-alone device used for automatically recording pressure from 0 to 500 psia(g). This all-in-one compact, portable, easy to use device will measure and record up to 32,767 pressure measurements. The PrTemp1000 is a major leap forward in performance. Numerous adapters for various pressure ranges and pipe fittings. Its real time clock ensures that all data is time and date stamped. The storage medium is non-volatile solid state memory, providing maximum data security even if the battery becomes discharged. Its small size allows it to fit almost anywhere. Data retrieval is simple. Plug it into an empty com port and our easy to use software does the rest.

Specifications

Temperature Range: -40°C to +80°C
Extended Temperature Range: 80°C to 125°C; 15 minutes
Temperature Accuracy: 0.5°C
Temperature Resolution: 0.5°C
Pressure Range: 0 psia to 30 psia, 100 psia or 500 psia
Pressure Accuracy: 0.1% FSR
Pressure Resolution: 0.01 psia
Adapter: ¼" male NPT or fully submersible
Temperature Calibration: Digital calibration is available through software.
Pressure Calibration: Digital calibration is available through software.
N.I.S.T. Traceable: N.I.S.T. certificates available
Calibration Date: Automatically recorded within device to alert user when calibration is required.
Recording Interval: 30/minute to 1/day selectable through software.
Start Time: Start time and date are programmable through software.
Real Time Recording: Device may be used with PC to monitor and record data in real time.
Memory: 32,767 temperature readings and 32,767 pressure readings max.
User-Replaceable Battery: 1 year typical.
Time Accuracy: ±1 minute per month at 20°C.
Data Format: Date and Time stamped, psia(g), inches, mmHg, kPascals, Torr, Barr, Feet, °C, °F, °K, °R.
Shock resistance: Drop proof to 5'.
Weight: 1 oz. (25.5g)
Computer Interface: RS232C Serial Port
Software: Windows®95/98/NT/2000/XP based software for complete control and operation.

Operating Environment: -40°C to +125°C, 0% to 99% RH

Dimensions: 1.00" dia. X 4.25" (25mm dia x 108mm)

Material: Aluminum (stainless available)

Software Features

The software used to operate the PRTemp1000 requires no programming skills. It enables users to effortlessly select reading rate, user ID and initiate the start of data collection within moments after user connects hardware. After retrieving the data, it may be viewed instantly in graphical or tabular form.

Zoom In/Out: Use mouse to click and drag to select area for zooming in or out.

Statistics: min, max, mean, mean kinetic temperature, standard deviation

Cursor: Use mouse to click on graph to obtain specific reading information.

Programmable Start Time: Program start time and date through software.

Real Time Operation: Convert PC into strip chart recorder for real time data collection.

Annotating Data: All data points may be easily annotated.

Printing: Automatic printing of data in graphical or tabular form

Units: psia, inches, mmHg, kPascals, Torr, Barr, Feet, °C, °F, °K, °R.

User ID: Programmable through software and stored within device.

AutoScale: Autoscale function may be enabled or disabled by user.

Calibration: Automatic calibration in software and calibration parameters stored within device

Exporting Data: All data can be directly exported to Microsoft Excel® or to text format.

Graph Grid Size: The grid size is user selectable.

ORDERING INFORMATION

Item No.	Model	Description
5399-0303	PRTemp1000	Pressure and Temperature Data Logger with ¼" NPT Fitting
5399-9901	IFC101	Interface Cable, Software, Manual
5399-9999	N.I.S.T. Cert.	N.I.S.T. Calibration Certificate

Ask About Our Other Data Loggers

Temperature	4.0 to 20.0 mA
Humidity	Pulse/Counter
Pressure	Submersible
pH	Level
Shock/Vibration	Multi-Parameter
Voltage	Intrinsically Safe
RF Transmitters	

