



DataChart®Temp1000p

Rugged Temperature Recorder with 7" Probe

Features

- Rugged
- Reusable
- Water proof
- Programmable start time
- Real-time operation
- N.I.S.T. traceable
- User-friendly
- Low cost

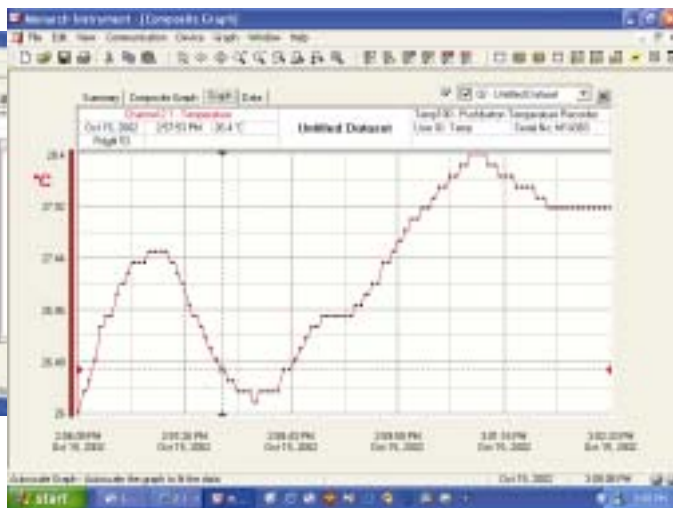
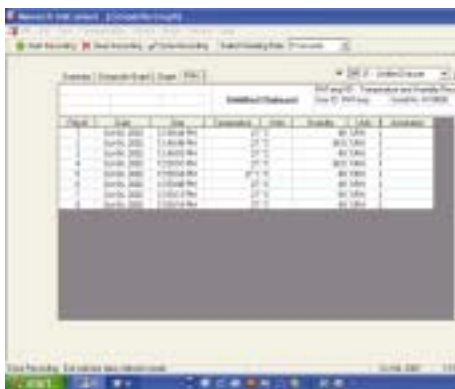
Applications

- Implementing HACCP Programs
- Autoclave Verification
- Food preparation and processing
- Environmental Studies
- Well Monitoring
- Dish Washer Testing
- Hostile Environment Monitoring
- Medical/Pharmaceutical



Description

The TEMP1000P temperature logger is a rugged, waterproof, battery powered, stand alone device which can be used to automatically record temperatures between -40°C and 125°C. This all in one compact, portable, easy to use device is able to measure and record up to 32,767 temperature measurements. The TEMP1000P features a 7" rigid external probe and is ideal for use in harsh environments. Its real time clock ensures that all the 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. The device can be started and stopped directly from your computer and its small size allows it to fit almost anywhere. The TEMP1000P makes data retrieval quick and easy. Simply plug the device into an empty COM port and our user-friendly software does the rest.



Specifications

Temperature Sensor: 100 Ohm Platinum RTD

Temperature Range: -40° to +80°C

Temperature Resolution: 0.05°C

Calibrated Accuracy: ± 0.5°C

Start Time: Software programmable start time and date. Up to six months in advance.

Real Time Recording: May be used with PC to monitor and record data in real time.

Memory: 32,767 temperature readings.

Reading Interval: 1 reading every 2 seconds to 1 every 12 hours.

Calibration: Digital calibration through software
Calibration Date: Automatically recorded within device.

Power: 3.6V lithium battery included

User-Replaceable Battery: 1 year typical (1 minute reading rate at 25°C)

Time Accuracy: ±1 min/month at 20°C (RS232 cable not in use)

Data Format: Date and Time stamped, °C, °F, °K, °R.

Computer Interface: PC serial or RS232C COM (Interface cable required); 2,400 baud

Software: Windows®95/98/ME/NT/2000/XP based software

Operating Environment: -40°C to + 125°C, 0 to 100% RH

Dimensions: Length: 4.5" + probe
(292mm + probe)
Dia: 1.0" (26mm)

Weight: 8 oz. (225g)

Software Features

The Data Recorder Software is an easy to use Windows-based software package that 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.

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, sterilization (FO Units) & Pasteurization (PU units).

Cursor: Use mouse to click on graph to obtain specific data point 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: °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: Four options for grid size available.

ORDERING INFORMATION

Item No.	Model	Description
5399-0108	Temp1000P	Rugged Temperature Recorder with 7" Probe
5399-9901	IFC101	Software, manual and 9-pin computer interface cable
5399-9999	N.I.S.T. Cert.	N.I.S.T. Calibration Certificate

Ask About Our Other Data Loggers

Temperature	pH
Humidity	Level
Pressure	Shock/Vibration
Bridge/Strain	Submersible
Current	Intrinsically Safe
Pulse/Event	RF Transmitters
Voltage	Multi-parameter

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