MONARCH INSTRUMENT

Innovation in Instrumentation

DataChart® Temp1000S

Rugged Temperature Recorder

Features

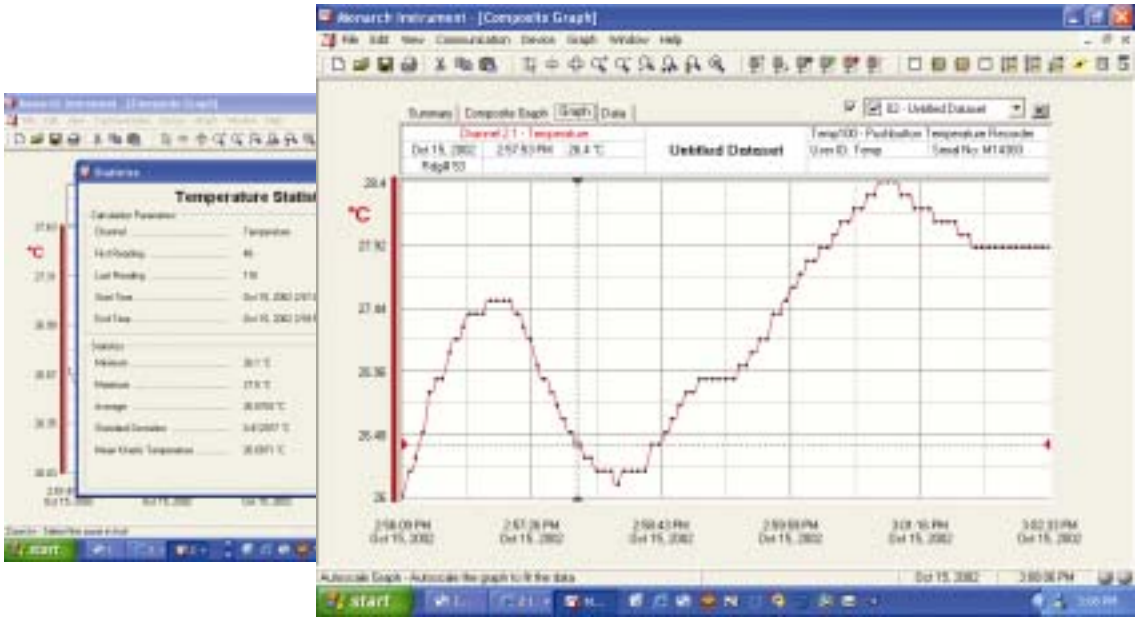
- Rugged with a rigid 1 inch probe
- Temperature Range: -40° to +150°C
- Memory Size: 32,767 Readings
- Resolution: 0.1°C
- Programmable Start Time
- Reusable
- N.I.S.T. Traceable
- User Calibration through Software
- Calibration Date Stored in Memory
- No Programming Experience Necessary
- Real Time Operation
- Low Cost
- Quick Setup

Description

This Rugged Temperature Logger is a waterproof, battery powered, stand-alone, device used for automatically recording temperatures between -40°c and 150°C. This all-in-one compact, portable, easy to use device will measure and record up to 32,767 temperature measurements. Because it is Rugged, it can be used in harsh environments. The Temp1000S is a major leap forward in both size and performance. 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.

Applications

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



Specifications

Temperature Range: -40°C to +150°C
Calibration Temperature Accuracy: ±0.5°C (0°C to +50°C)
Temperature Resolution: 0.05°C
Temperature 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 2/day selectable.
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.
User-Replaceable Battery: 1 year typical.
Time Accuracy: ±1 min/month at 20°C
Data Format: Date and Time stamped, °C, °F, °K, °R
Weight: 8 oz. (225g)
Computer Interface: RS232C Serial Port
Software: Windows®95/98/NT/2000/XP based software for complete control and operation.
Operating Environment: -40°C to + 150°C, 0% to 100% RH
Dimensions: 1.00" dia. X 5.80"
Material: Stainless Steel

Software Features

The software used to operate the Temp1000S 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, 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: Many options for grid size available.

ORDERING INFORMATION

Item No.	Model	Description
5399-0112	Temp1000S	Rugged, Submersible, Temp Data Logger – Aluminum Case
5399-9903	IFC110	9 Pin Computer 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	

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