FEATURES

- ❖ Rugged
- ❖ Submersible
- ❖ Reusable
- ❖ Programmable start time
- ❖ Real-time operation
- ❖ N.I.S.T. traceable
- ❖ User-friendly
- ❖ Low cost
- ❖ CE approved

APPLICATIONS

- ❖ Implement HACCP Programs
- ❖ Autoclave Verification
- ❖ Food preperation and processing
- ❖ Environmental studies
- ❖ Well monitoring
- ❖ Dish washer testing
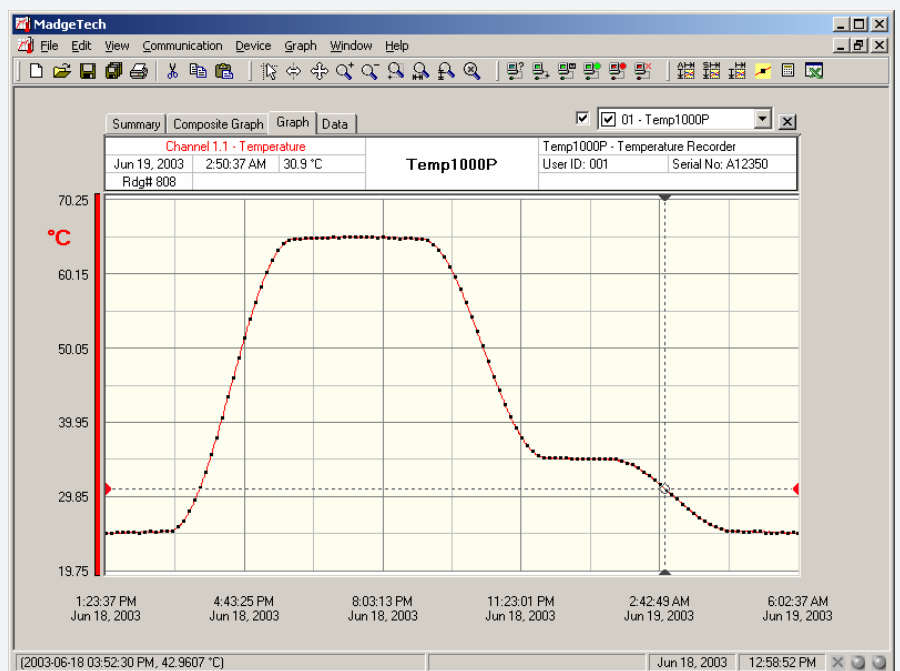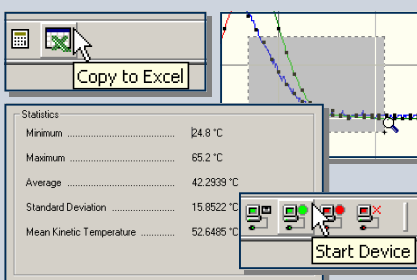- ❖ Hostile envirionment monitoring
- ❖ Medical/Pharmaceutical

The 7" probe on the Temp1000P reaches for the temperature you need and records it with the precision you demand. The probe has a resolution of 0.05°C and a range of -100°C to +260°C. (The body of the Temp1000P is rated for –40°C to +80°C)

Food processing of large items (eg. Hams, beef sides) requires temperature validation deep inside the product to ensure the cooking, cooling or storage processes were within specification. The food-grade 7" probe has a sharp point for easy insertion into the product. The Temp1000P is submersible so it can be used during washing or spraying.

The MadgeTech software will display your data in the common units of temperature along with Kelvin and Rankine. The software also includes built-in Pasteurization Units (PU) and F0 analyses. If our powerful software doesn't do the exact analysis you need, one click is all you need to export the data into Microsoft Excel®.

SOFTWARE

MadgeTech's 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.

Demo our software at www.madgetech.com

TEMP1000P SPECIFICATIONS

Temperature Sensor: 100 Ohm Platinum RTD

Temperature Range: -40 ºC to +80 ºC

Probe Range: -100 ºC to +260 ºC

Temperature Resolution: 0.05 ºC

Calibrated Accuracy: ±0.5 ºC (0 to +50ºC)

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 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

Battery Life: 1 year typical (1 minute reading rate at 25 ºC)

Data Format: Date and time stamped ºC, ºF, ºK, ºR

Time Accuracy: ±1 minute/month at 20ºC (RS232 cable not in use)

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 ºC to +80 ºC, 0 to 100 %RH

Body Dimensions: 4.5" x 1.0" dia (115mm x 26mm dia.)

Probe Dimensions: 6.75" x 0.2" dia (172mm x 5 mm dia.)

Weight: 7.3 oz (205g)

Approvals: CE

BATTERY WARNING: RISK OF FIRE OR EXPLOSION. DO NOT RECHARGE, FORCE OPEN, HEAT OR DISPOSE OF IN FIRE.

SOFTWARE FEATURES

Multiple Graphs: Simultaneously analyze data from several units or deployments; easily switch to a single data series

Real-Time Recording: Collect and display data in real-time while continuing to log

Graphical Cursor: One click displays readings by time, value, parameter or sample number

Data Table: Instantly access tabular view for detailed dates, times, values, and annotations

Scaling Options: Autoscale function fits data to the screen, or allows user to manually enter their own values

Formatting Options: Change colors, line styles, plotting options, show or hide channels in an instant

Statistics: Calculate averages, min, max, standard deviation, and mean kinetic temperature with the touch of a button

Export Data: Export data in a variety of common formats, or switch to Excel with a single click

Calibration: Fully digital calibration function automatically stores parameters in device

Logger Configuration: Easy set up and launch of data loggers with immediate or delayed start, preferred sample rate, and device ID

Communications: Automatically sets up communications port, or lets user set configuration

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
TEMP1000P	Rugged Temperature Recorder with 7" Probe
IFC110	Software, manual and 9-pin computer interface cable
NIST	N.I.S.T. Calibration Certificate

ASK ABOUT OUR OTHER DATA RECORDERS

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