

TEMP1000

RUGGED TEMPERATURE DATA LOGGER



Features

- Rugged
- Reusable
- Submersible to 150' (45m)
- Programmable start time
- Real-time operation
- N.I.S.T. traceable
- CE compliant
- User-friendly
- Low cost

Benefits

- Simple Setup and Installation
- Minimal Long-Term Maintenance
- Long-Term Field Deployment

Applications

- Implement HACCP programs
- Food preparation and processing
- Environmental studies
- Well monitoring
- Dishwasher testing
- Hostile environment monitoring
- Medical and pharmaceutical

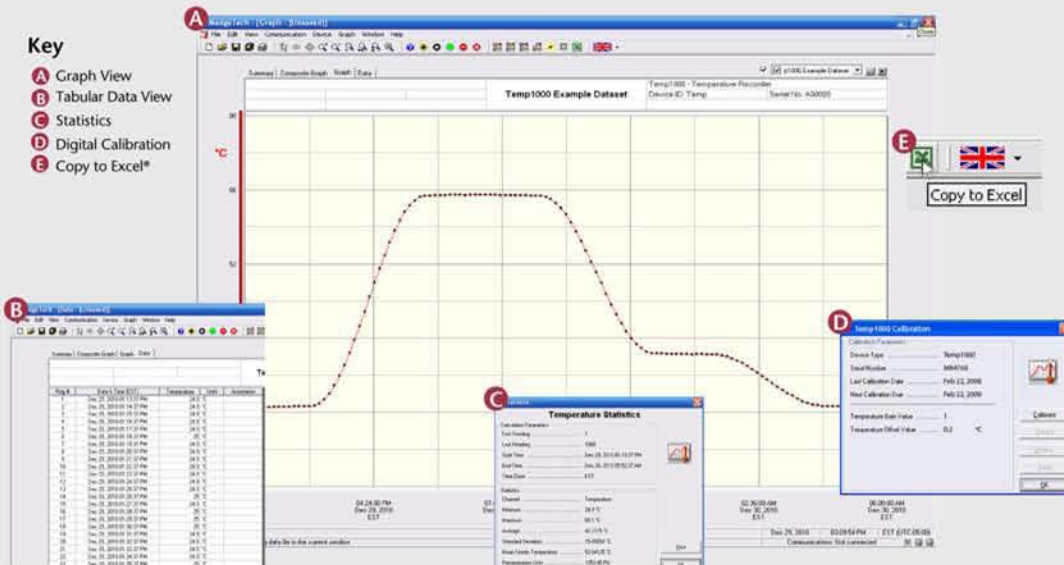
The Temp1000 is engineered for remote temperature recording in harsh environments. Its rugged enclosure lends itself to be useful in applications such as dishwashers and sterilization, but is also commonly used in environmental studies, food storage, medical and pharmaceutical applications.

The Temp1000 is submersible up to 150' (45m) of water and can record temperatures of up to +80°C (+176°F).

With the Temp1000's capability to record up to 32,767 data points and the ability to record every two seconds, all the data needed can be captured even for brief events. The user-replaceable battery is rated to one year of typical use. The non-volatile memory will hold valuable data indefinitely even if the battery should become discharged.

The software will display data in degrees of Celsius, Fahrenheit, Kelvin, and Rankine. If the powerful software doesn't have the exact analysis needed, one click will export the data to an MS Excel® spreadsheet.

MADGETECH DATA LOGGER SOFTWARE



Software Features:

- Multiple graph overlay
- Statistics
- Digital calibration
- Zoom in/ zoom out
- Lethality equations (F_0 , PU)
- Mean Kinetic Temperature
- Full time zone support
- Data annotation
- Min./Max./Average lines
- Data table view
- Automatic report generation
- Summary view
- Multilingual

TEMP1000 SPECIFICATIONS*

Temperature Sensor: Semiconductor

Temperature Range: -40 to +80°C

Temperature Resolution: 0.1°C

Calibrated Accuracy: ±0.5°C (0 to +50°C)

Memory: 32,767 readings

Reading Rate: 1 reading every 2 seconds to 1 every 12 hours

Start Modes: Software programmable immediate start or delay start up to six months in advance

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

Lethality Equations: Sterilization Units and Pasteurization Units are available in software with the click of a button.

Calibration: Digital calibration through software

Calibration Date: Automatically recorded within device

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

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

Battery Type: 3.6V lithium battery included, **user replaceable**

Battery Life: 1 year typical at 25°C, 1 minute reading intervals

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

Software: XP SP3/Vista/Windows 7

Operating Environment : -40 to +80°C, 0 to 100%RH (case properly sealed); submersible to 150' (45m)

Dimensions: 4.3" X 1.0" dia. (110mm x 26mm dia.)

Weight (Aluminum) : 4 oz (110 g)

Weight (Stainless) : 8 oz (230 g)

Materials: Available in Anodized Aluminum or 303 Stainless Steel

Approvals: CE

BATTERY WARNING: WARNING: FIRE, EXPLOSION, AND SEVERE BURN HAZARD. DO NOT SHORT CIRCUIT, CHARGE, FORCE OVER DISCHARGE, CRUSH, PENETRATE, OR INCINERATE. BATTERY MAY LEAK OR EXPLODE IF HEATED ABOVE 80°C (176°F).

*SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE. SPECIFIC WARRANTY REMEDY LIMITATIONS APPLY.

ORDERING INFORMATION

MODEL	DESCRIPTION
TEMP1000	Rugged Temperature Recorder, aluminum enclosure
TEMP1000-SS	Rugged Temperature Recorder, stainless steel enclosure
*NIST	N.I.S.T. Calibration Certificate
IFC200	Software, manual and USB interface cable

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