

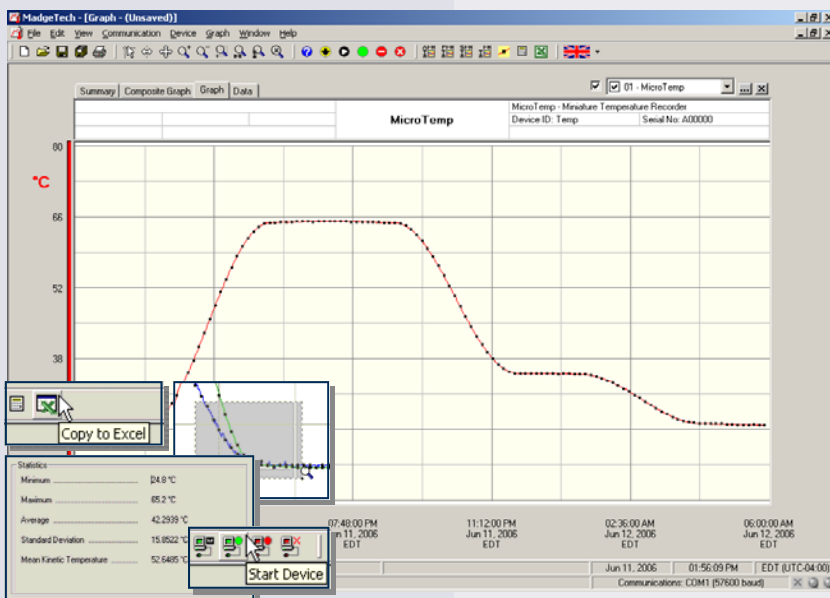
Features

- Only 2.6" x 0.7" in size
- Reusable
- Submersible to 150 ft
- Programmable start time
- Real-time operation
- N.I.S.T. traceable
- User-friendly
- Low cost

Applications

- Implement HACCP Programs
- Medical/Pharmaceutical
- Food preparation and processing
- Biomedical research
- Dish washer testing
- Hostile environment monitoring
- Environmental studies
- Well monitoring

The MicroTemp is a miniature, submersible, self-contained temperature recorder. Only 2.6" (66mm) tall and 0.7" (18mm) in diameter, this recorder can easily fit into the smallest spaces. It can even fit down the neck of most beverage bottles! Don't let the diminutive size fool you — this is an industrial grade instrument which boasts an accuracy specification of $\pm 0.5^{\circ}\text{C}$ and will operate in temperatures from -40 to $+80^{\circ}\text{C}$. Its food grade stainless steel casing makes it inert to most common fluids and gasses. It operates with user-replaceable batteries for up one year (typical use) and downloads data (32,767 readings) quickly to your PC. MadgeTech's miniature technology opens up new options for documenting and ensuring proper environments for pharmaceuticals, biomedical research, food processing and transport. Our easy to use, yet versatile software not only allows you to view the data in common temperature units such as $^{\circ}\text{C}$ and $^{\circ}\text{F}$, but also in Kelvin and Rankine. Additionally, the software will automatically calculate Pasteurization Units (PU), F0 and Mean Kinetic Temperature (MKT) saving you time.



Data Recorder Software

displays temperature data in an easy to use graph.

The Windows[®]-based software package 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.

MICROTEMP SPECIFICATIONS*

Temperature Sensor: Internal Semiconductor

Temperature Range: -40 to +80°C

Temperature Resolution: 0.1°C

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

Alarm: Programmable high and low limits; Alarm is activated when temperature reaches or exceeds set limits.

Activity Indicator: Green LED blinks to indicate device has been started, red LED blinks if an alarm condition exists.

Calibration: Digital calibration through software

Calibration Date: Automatically recorded within device

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

Memory: 32,767 readings; software configurable memory wrap

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

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

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

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

Time Accuracy: ±1 minute/month at 20°C

Computer Interface: PC serial or USB (interface cable required); 38,400 baud

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

Operating Environment: -40 to +80°C, 0 to 100%RH

Submersible: Up to 150 ft.

Dimensions: 2.6" X 0.7" dia. (66mm x 18mm dia.)

Weight: 1.8 oz (50 g)

Material: 316L Stainless Steel (food grade)

Approvals: CE Compliant

BATTERY WARNING: RISK OF FIRE AND BURNS. DO NOT RECHARGE, SHORT, DISASSEMBLE, HEAT ABOVE 100°C OR INCINERATE.

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 quickly

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: Automatically calculate and store calibration parameters

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 select configuration

Printing: Automatically print graphical or tabular data

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

ORDERING INFORMATION

Model	Description
MICROTEMP	Miniature Submersible Temperature Recorder
IFC102	Software, manual and RS232 interface cable for Micro Series.
IFC202	Software, manual and USB interface cable for Micro Series.
NIST	N.I.S.T. Calibration Certificate
ER14250	Replacement battery for MicroTemp

ASK ABOUT OUR OTHER DATA RECORDERS

Temperature	Pulse/Event/State
Humidity	Low Level Current
Pressure	Low Level Voltage
pH	RF Transmitters
Level	Intrinsically Safe
Shock	Spectral Vibration
LCD Display	

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