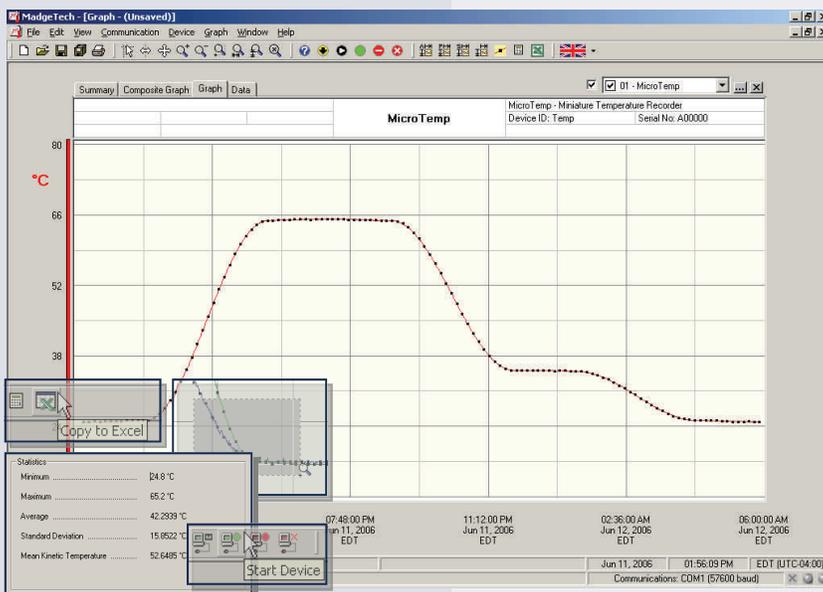# ThermoWorks

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 ±0.5°C and will operate in temperatures from −40 to +80°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. 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 °C and °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	**Reading Interval:**	1 reading every 2 seconds to 1 every 12 hours
Temperature Range:	-40 to +80°C	**Start Time:**	Software programmable start time and date, up to six months in advance
Temperature Resolution:	0.1°C	**Data Format:**	Date and time stamped °C, °F, K, °R
Calibrated Accuracy:	±0.5°C (0 to +50°C)	**Power:**	3.6V lithium battery included
Alarm:	Programmable high and low limits; Alarm is activated when temperature reaches or exceeds set limits.	**User Replaceable Battery:**	1 year typical at 25°C, 1 minute reading intervals
		Time Accuracy:	±1 minute/month at 20°C
Activity Indicator:	Green LED blinks to indicate device has been started, red LED blinks if an alarm condition exists.	**Computer Interface:**	PC serial or USB (interface cable required); 38,400 baud
		Software:	Windows 95/98/ME/NT/2000/XP based software
		Operating Environment:	-40 to +80°C, 0 to 100%RH
Calibration:	Digital calibration through software	**Submersible:**	Up to 150 ft.
Calibration Date:	Automatically recorded within device	**Dimensions:**	2.6" X 0.7" dia. (66mm x 18mm dia.)
Real Time Recording:	May be used with PC to monitor and record data in real time	**Weight:**	1.8 oz (50 g)
		Material:	316L Stainless Steel (food grade)
Memory:	32,767 readings; software configurable memory wrap	**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	**Statistics:**	Calculate averages, min, max, standard deviation, and mean kinetic temperature with the touch of a button
Real-Time Recording:	Collect and display data in real-time while continuing to log	**Export Data:**	Export data in a variety of common formats, or switch to Excel® with a single click
Graphical Cursor:	One click displays readings by time, value, parameter or sample number	**Calibration:**	Automatically calculate and store calibration parameters
Data Table:	Instantly access tabular view for detailed dates, times, values, and annotations	**Logger Configuration:**	Easy set up and launch of data loggers with immediate or delayed start, preferred sample rate, and device ID
Scaling Options:	Autoscale function fits data to the screen, or allows user to manually enter their own values	**Communications:**	Automatically sets up communications port, or lets user select configuration
Formatting Options:	Change colors, line styles, plotting options, show or hide channels quickly	**Printing:**	Automatically print graphical or tabular data

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

ORDERING INFORMATION

ThermoWorks