

Features

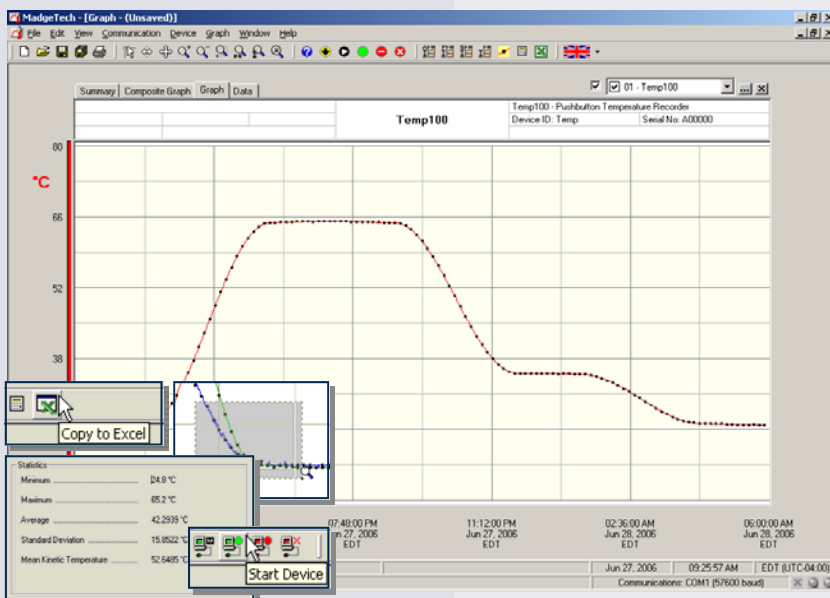
- Pushbutton start/stop
- Programmable alarm
- Real-time operation
- N.I.S.T. traceable
- CE compliant
- User-friendly
- Miniature size
- Reusable
- Low cost

Applications

- Remote data logging
- Cold chain shipment verification
- Warehouse monitoring
- HVAC
- Medical and Pharmaceutical
- Museum monitoring
- Environmental studies
- Replace costly strip chart recorders
- Implement HACCP programs



The Temp100 is a miniature, battery powered, stand alone, temperature recorder. This all-in-one compact, portable, easy to use device will measure and record up to 32,767 temperature measurements. The storage medium is non-volatile solid state memory, to provide maximum data security even if the battery becomes discharged. The unit can be started and stopped directly from your computer or using the external pushbutton. Its small size allows it to fit most anywhere. The Temp100 makes data retrieval quick and easy. Simply plug it into an empty COM or USB port and our user-friendly software does the rest.



MadgeTech 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.

Click [MadgeTech Software](#) for more information or to download the software.

TEMP100 SPECIFICATIONS*

Temperature Sensor: Semiconductor	Calibration: Digital calibration through software
Temperature Range: -40 to +80°C	Calibration Date: Automatically recorded within device
Temperature Resolution: 0.1°C	Battery Type: 3.6V lithium battery included, user replaceable
Calibrated Accuracy: ±0.5°C (0 to +50°C)	Battery Life: 1 year typical
Alarm: User selectable high and low limits, blinking LED Indicator	Data Format: Date and time stamped °C, °F, °K, °R
Start Modes: Software programmable Immediate start or delay start up to 6 months in advance; or external pushbutton start/stop	Time Accuracy: ±1 minute/month (at 20°C, RS232 port not in use)
Real Time Recording: May be used with PC to monitor and record data in real-time	Computer Interface: PC serial or USB (Interface cable required); 2,400 baud
Memory: 32,767 readings	Software: XP SP3/Vista/Windows 7
Reading Rate: 1 reading every 2 seconds to 1 every 12 hours	Operating Environment: -40 to +80°C, 0 to 95%RH non-condensing
	Dimensions: 1.4" x 2.2" x 0.6" (36mm x 56mm x 16mm)
	Weight: 0.8 oz (23 g)
	Materials: ABS plastic
	Approvals: CE

BATTERY WARNING: FIRE, EXPLOSION, AND SEVERE BURN HAZARD. DO NOT RECHARGE, DISASSEMBLE, HEAT ABOVE 212°F, INCINERATE OR EXPOSE CONTENTS TO WATER.

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. CALL 1-603-456-2011 OR GO TO WWW.MADGETECH.COM FOR DETAILS.

ORDERING INFORMATION

<u>Model</u>	<u>Description</u>	<u>Price (U.S.)</u>
TEMP100	Pushbutton Temperature Recorder	\$109.00
IFC110	Software, manual and RS232 interface cable	\$99.00
IFC200	Software, manual and USB interface cable	\$119.00
NIST	N.I.S.T. Calibration Certificate	Call for Pricing
LTC-7PN	Replacement battery for Temp100	\$10.00

For Quantity Discounts call 603-456-2011 or email sales@madgetech.com

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	

