TEMP100
Pushbutton Temperature Recorder

FEATURES

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

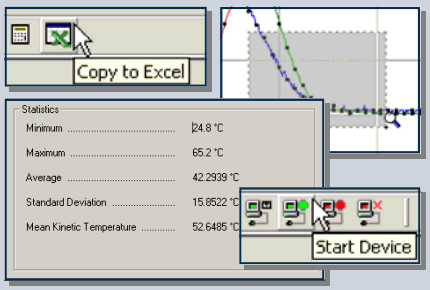
Applications

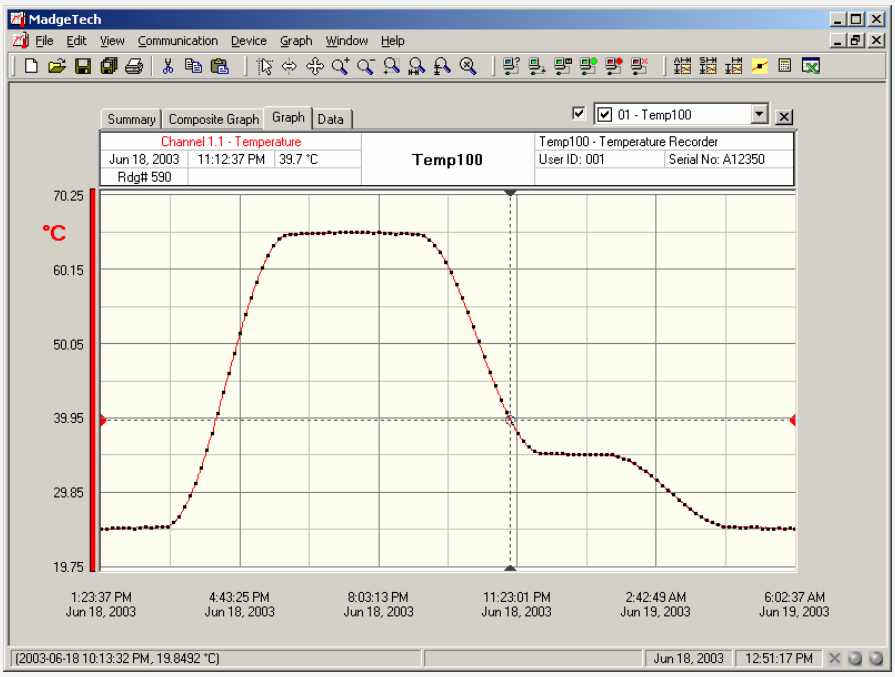
- Remote data logging
- Cold chain shipment verification
- Warehouse monitoring
- HVAC
- Medical/Pharmaceutical
- Museum monitoring
- Environmental studies
- Replace costly strip chart recorders
- Implement HACCP programs

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, providing 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 almost anywhere. The TEMP100 makes data retrieval quick and easy. Simply plug it into an empty COM port and our user-friendly software does the rest.

Software

Our 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.





TEMP100 SPECIFICATIONS

Temperature Sensor:	Semiconductor
Temperature Range:	-40 ºC to +80 ºC
Temperature Resolution:	0.1 ºC
Calibrated Accuracy:	±0.5 ºC(0 to +50ºC)
Alarm:	User selectable high and low limits, blinking LED Indicator
Start Time:	Software programmable start time and date. Up to six months in advance. Or external pushbutton start/stop.
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
User Replaceable Battery:	2 years typical
Data Format:	Date and time stamped ºC, ºF, ºK, ºR
Time Accuracy:	±1 minute/month (at 20 ºC, RS232 port 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 95 %RH non-condensing
Dimensions:	0.6” x 1.4” x 2.2” (16mm x 35mm x 56mm)
Weight:	2 oz (60 g)

TEMP100 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

ORDERING INFORMATION

Model	Description
TEMP100	Pushbutton Temperature Recorder
IFC101	Software, manual and 9-pin computer interface cable
N.I.S.T. Cert	N.I.S.T. Calibration Certificate

ASK ABOUT OUR OTHER DATA RECORDERS

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

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