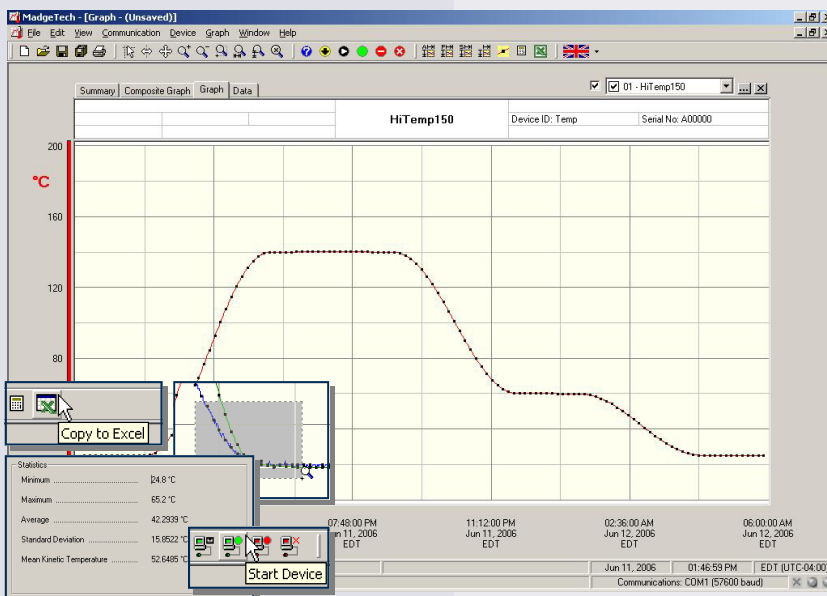**MADGETECH**
WE BUILD DATA LOGGERS

Features

- Extended temperature range
- Rugged
- Reusable
- Submersible
- Programmable start time
- Real-time operation
- N.I.S.T. traceable
- User-friendly
- Low cost

Applications

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

The HiTemp150 temperature logger is a rugged, submersible, battery powered, stand alone device which can be used to automatically record temperatures between -40 and 150°C. This all in one compact, portable, easy to use device is able to measure and record up to 32,767 temperature measurements. The HiTemp150 features a 2" rigid external probe◇ with fast response time to ensure accurate temperature readings and is ideal for use in harsh environments. Its real time clock ensures that all the data is time and date stamped. The storage medium is non-volatile solid state memory, providing maximum data security even if the battery becomes discharged. The device can be started and stopped directly from your computer and its small size allows it to fit almost anywhere. The HiTemp150 makes data retrieval quick and easy. Simply plug the device into an empty COM or USB port and our user-friendly software does the rest.

MadgeTech Data Recorder Software
Reports 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.

HITEMP150 SPECIFICATIONS*

Temperature Sensor:	100Ω Platinum RTD
Temperature Range:	-40 to +150°C
Temperature Resolution:	0.05°C
Calibrated Accuracy:	±0.5°C
Start Time:	Software programmable start time and date, up to six months in advance
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:	3.9V high-temperature lithium battery included
Battery Life:	1 year typical (1 minute reading rate @ 25°C)
Data Format:	Date and time stamped °C, °F, K, °R
Time Accuracy:	±1 minute/month at 20°C (RS232 cable not in use)
Computer Interface:	PC serial or USB (Interface cable required); 2,400 baud
Software:	Windows 95/98/ME/NT/2000/XP based software
Operating Environment:	-40 to +150°C, 0 to 100%RH
Dimensions (Body):	1.1" x 1.75" dia. (28mm x 45mm dia.)
Dimensions (Probe):	2.0" x 3/16" dia. (51mm x 5mm dia.)
	◇*Other probes available*
Weight:	8 oz (225 g)
Material	316 Stainless Steel
Approvals:	CE

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

ORDERING INFORMATION

Model	Description
HITEMP150	Extended Range Temperature Recorder
IFC110	Software, manual and RS232 interface cable
IFC200	Software, manual and USB interface cable
NIST	N.I.S.T. Calibration Certificate
3B5700	Replacement battery for HiTemp150

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

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