

TEMPRETRIEVER

LOW COST REUSABLE TEMPERATURE DATA LOGGER

Features

- Low cost
- Pushbutton start/stop
- LED alarm indication
- User selectable alarm limits
- Real-time operation
- Programmable start time
- Reusable
- Miniature size
- 38,400 baud offload speed
- CE Approved

Applications

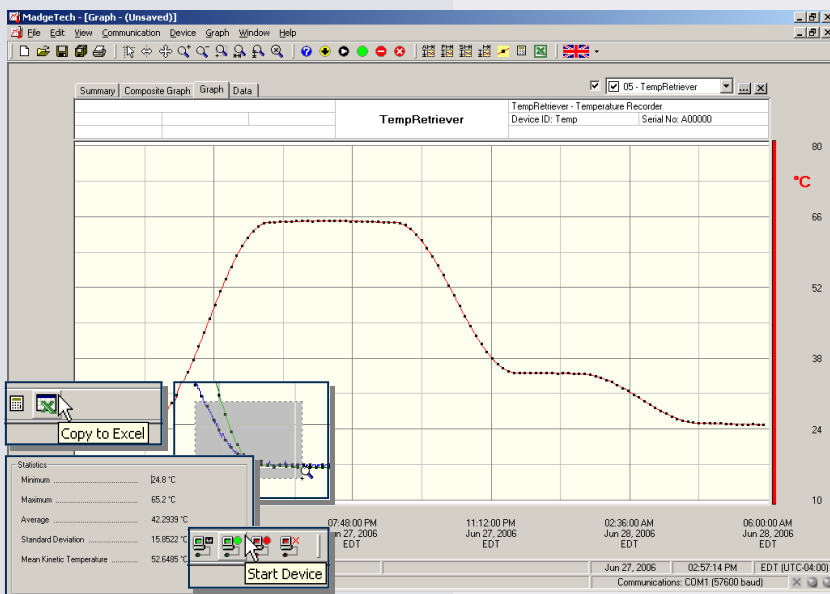
- Record temperature of perishable goods in transit
- Warehouse monitoring
- HVAC
- Medical and Pharmaceutical
- Museum monitoring
- Environmental studies
- Replace costly strip chart recorders
- Implement HACCP programs



The TempRetriever is a low cost, reusable temperature recording device which allows for a myriad of applications. The device excels in dry applications such as shipping, museums, R&D, warehouses and HVAC. It boasts an accuracy of $\pm 0.5^{\circ}\text{C}$ and a resolution of 0.1°C . The TempRetriever can store up to 16,383 readings in its non-volatile memory and coupled with up to a one year battery life and LED alarm indication makes this a perfect temperature recorder when keeping costs down is paramount.

The MadgeTech software includes a full host of features that allows the user to set the start method (i.e. pushbutton, delayed start or start now), the start date and time, sample rate, high/low alarm limits, 6-character device ID and a 16-character extended ID. Data can be offloaded and displayed in $^{\circ}\text{C}$, $^{\circ}\text{F}$, K and $^{\circ}\text{R}$. The software will also automatically calculate Mean Kinetic Temperature as well as other useful statistics to simplify analysis. For additional custom analysis, the data can be quickly exported into a MS Excel[®] spreadsheet with the click of a button.

Industries such as education, research, and perishable goods transport will all benefit from the remarkable value this device represents.



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.

TEMPRETRIEVER 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: 3.6 V lithium battery included, user replaceable
Calibrated Accuracy: ±0.5°C (0 to +50°C)	Battery Life: 1 year typical @ 25°C, 1 minute reading rate
Alarm: Programmable high and low limits; when logged exceeds either limit, red LED blinks every 3 seconds	Data Format: Date and time stamped °C, °F, K, °R
Activity Indicator: Green LED blinks every 15 seconds to indicate device has been started	Time Accuracy: ±1 minute/month (at 20°C, RS232 port not in use)
Start Modes: Software programmable immediate start or delay start up to six months in advance; or external pushbutton start/stop	Computer Interface: PC serial or USB (interface cable required); 38,400baud
Real Time Recording: May be used with PC to monitor and record data in real-time	Software: Windows 95/98/ME/NT/2000/XP/Vista based software
Memory: 16,383 readings	Operating Environment: -40 to +80°C, 0 to 95%RH non-condensing
Reading Rate: 5 seconds to 30 minutes	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

Model	Description	Price (U.S.)
TEMPRETRIEVER	Low Cost, Reusable, Temperature Recorder	\$39.00
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 TempRetriever	\$10.00
SVP-Secure	Protocols for validating the 21 CFR Part 11 ready, secure data logging system	\$600.00
SVP-Secure License	License for MadgeTech SVP-Secure Software (unlimited users, license per computer)	\$1000.00

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	



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