

TEMPRETRIEVER

LOW COST REUSABLE TEMPERATURE DATA LOGGER



Features

- Pushbutton Start/Stop
- LED Alarm Indication
- User Selectable Alarm Limits
- Reusable
- Programmable Start Time
- Real-time Operation
- Miniature Size
- 38,400 Baud Offload Speed
- Low Cost
- CE Approved

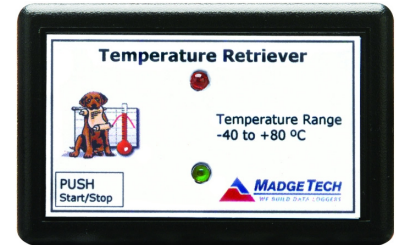
Benefits

- Simple Setup and Installation
- Minimal Long-Term Maintenance
- Long-Term Field Deployment

Applications

- Implement HACCP Programs
- Record Temperature of Perishable Goods in Transit
- Warehouse Monitoring
- Environmental Studies
- HVAC
- Museum Monitoring
- Replace Costly Strip Chart Recorders
- Medical and Pharmaceutical

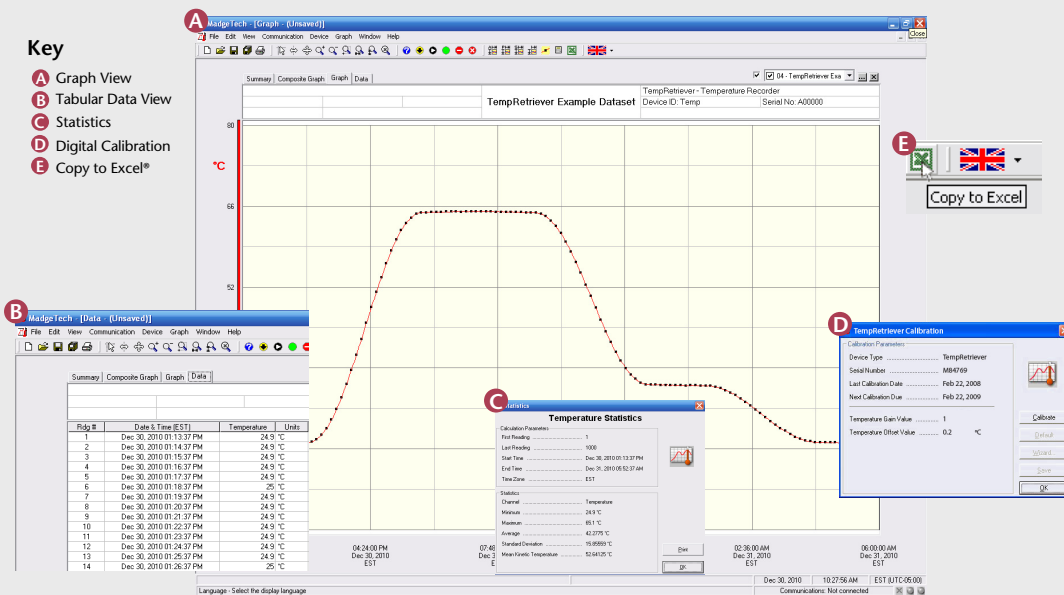
The TempRetriever is a low cost, reusable temperature recording device which allows for a myriad of applications. The device excels in dry applications such as shipping, museums, R&D, warehouses and HVAC. It boasts an accuracy of $\pm 0.5^{\circ}\text{C}$ and a resolution of 0.1°C . The TempRetriever can store up to 16,383 readings in its non-volatile memory. This 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 LOGGER SOFTWARE



- Software Features:**
- Multiple graph overlay
 - Statistics
 - Digital calibration
 - Zoom in/ zoom out
 - Lethality equations (F_0 , PU)
 - Mean Kinetic Temperature
 - Full time zone support
 - Data annotation
 - Min./Max./Average lines
 - Data table view
 - Automatic report generation
 - Summary view
 - Multilingual

TEMPRETRIEVER SPECIFICATIONS*

Temperature Sensor: Semiconductor
Temperature Range: -40 to +80°C
Temperature Resolution: 0.1°C
Calibrated Accuracy: ±0.5°C (0 to +50°C)
Alarm: Programmable high and low limits; when logged exceeds either limit, red LED blinks every 3 seconds
Activity Indicator: Green LED blinks every 15 seconds to indicate device has been started
Start Modes: Software programmable immediate start or delay start 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: 16,383 readings
Reading Rate: 5 seconds to 30 minutes
Calibration: Digital calibration through software
Calibration Date: Automatically recorded within device

Battery Type: 3.6V lithium battery included, user replaceable
Battery Life: 1 year typical (1 minute reading rate at 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); 38,400baud
Software: XP SP3/Vista/Windows 7
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: WARNING: FIRE, EXPLOSION, AND SEVERE BURN HAZARD. DO NOT SHORT CIRCUIT, CHARGE, FORCE OVER DISCHARGE, CRUSH, PENETRATE, OR INCINERATE. BATTERY MAY LEAK OR EXPLODE IF HEATED ABOVE 100°C (212°F).

*SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE. SPECIFIC WARRANTY 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	
IFC110	Software, manual and RS232 interface cable	
IFC200	Software, manual and USB interface cable	
LTC-7PN	Replacement battery for TempRetriever	
SVP-Secure	Protocols for validating the 21 CFR Part 11 ready, secure data logging system	
SVP-Secure License	License for MadgeTech SVP-Secure Software (unlimited users, license per computer)	

ASK ABOUT OUR OTHER DATA LOGGERS

- Temperature
- Humidity
- Pressure
- pH
- Level
- Shock
- LCD Display
- Pulse/Event/State
- Current
- Voltage
- Wireless
- Intrinsically Safe
- Spectral Vibration
- Motion

For quantity discounts call 1300 737 871 or email customer-service@instrumentchoice.com.au

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