# 2c\temp-USB

## MARATHON PRODUCTS, INC.
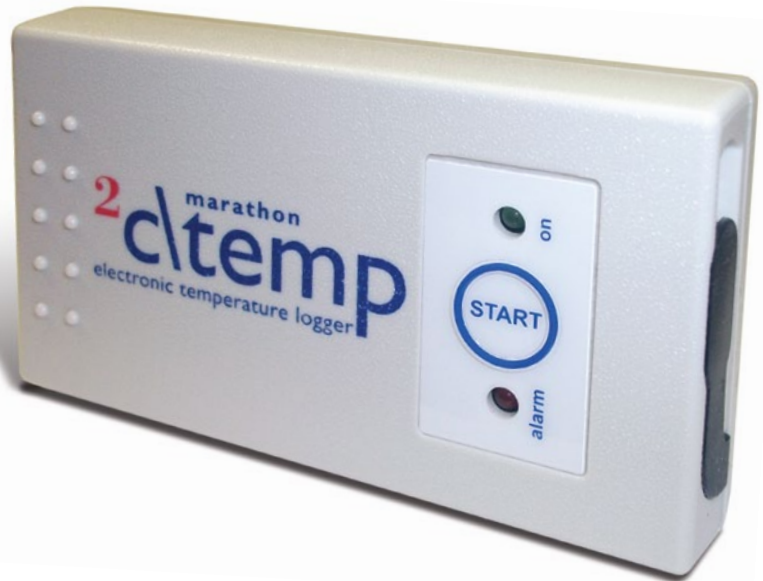
## *Temperature Data logger with USB Connectivity!*

**The 2c\temp-USB** multi-use data logger is a cost-effective solution for temperature monitoring of refrigerated vaccines, biological material, chemicals, pharmaceuticals and documenting the transportation of fruits and vegetables. Its convenient palm-sized design lets it fit into tight quarters.

It is a mid-range data logger with a generous 8k memory and a 3 year battery life. With increased accuracy over the 2c\temp and echo, this is an excellent general purpose data logger.

**Functions include:** The internal thermistor accurately records time and temperatures for user-selectable readings in Celsius or Fahrenheit. The internal software is user programmable and provides the following features: start time delay, sampling intervals, high and low alarm values, recording status, and measurement data.

**Visual alarms:** It features the ability to program alarm limits. Should the temperature reach levels outside these limits, the on-board red LED will light until reset by the user. Operation is as easy as pressing the Start button on the recorder.

**Computer ready:** MaxiThermal software is used to read the logger. It runs on Windows 2000, XP, Vista, & 7. To download recorded information, simply plug the unit into the standard USB port of your PC. The MaxiThermal software and USB cable are available as separate accessory items.

**Temperature Range**
-29° C to +72° C
-20° F to +160° F

**Temperature Accuracy**
(NIST traceable)
±0.2°C at zero degrees
±2.0°C at extremes

**Measurement intervals**
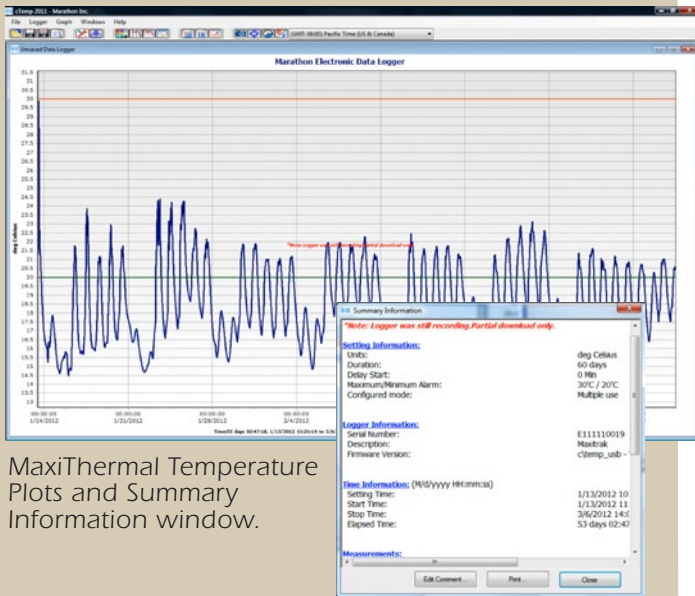2 seconds to weeks

**Memory EEPROM, Storage**
8k memory,

**Number of measurements**
8k memory
(7680 data points)

*Don't ship without us!*®

**MaxiThermal Software Highlights:** *Easy-to-use software provides clear graphs. Report Summary & Statistics File Manager, Note Attachment, Zoom, Elapsed Time or Date/Time View, Recorded View, Celsius or Fahrenheit. Data can be exported to other Windows programs such as spreadsheets, word-processing or databases. Available for Windows 98, NT, 2000, ME, XP and Windows 7. An Enterprise Software version and 21CFR Part 11 Compliant Software are available.*



MaxiThermal Temperature Plots and Summary Information window.

### Serialization:

This recorder is programmed at the factory with a unique serial number for positive tracking.

### Waterproof Enclosure:

The product package is hermetically sealed to an IP66 rating.

### Computer Download Capability:

Recorded data can be easily downloaded via standard USB cable and Marathon's Maxi-Thermal software.

# 2c\temp-USB Specifications

| | |
|---|---|
| Memory EEPROM, Storage: | 8k |
| Temperature Range: | -29° C to +72° C / -20° F to +160° F |
| Temperature Accuracy: | 0.2°C at 20°C, 0.5°C at extremes / 0.4°F at 68°F, 1.0°F at extremes |
| Temperature Resolution: | 0.2°C / 0.4°F |
| Measurement Intervals: | Programmable from 2 seconds to weeks. Examples: |
| | 4 days = 0 min. 43 sec. |
| | 7 days = 1 min. 15 sec. |
| | 16 days = 2 min. 50 sec. |
| | 30 days = 5 min. 19 sec. |
| | 60 days = 10 min. 38 sec. |
| | 90 days = 15 min. 57 sec. |
| | 365 days = 1 hr. 4 min. 39 sec. |
| Temperature Sensor: | NIST traceable Precision Thermistor |
| High and Low Alarm Limits: | LED indicator and audible alarm set by temperature and time |
| Internal Clock Accuracy: | Better than 2 minutes per month |
| Computer Interface: | Mini USB Connector |
| Internal Software Provides: | Start time, Interval, User description, Alarm values, Recording status, Measurement data, Software version, Serial number, Model type |
| Power Source: | One 3.0 Volt Lithium Battery with a 3 year battery life and 5 year shelf life. Battery is rated at six months, if used continuously at -29C |
| Size: | 9 cm(l) x 5 cm(w) x 2 cm (h) / 3.5 in.(l) x 2 in (w) x 0.8 in.(h) |
| Weight: | 106 g / 3.7 oz.) |
| Warranty: | 12 months |
| CE Certified: | CE Marking File |

For information on the 2c\temp-USB and MaxiThermal software
please contact Marathon Products.

## Please call 1-510-562-6450
### for more information or to place an order.

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