

MARATHON PRODUCTS

2cTemp-USB™ Data Loggers

Waterproof Temperature Data logger with USB Connectivity!

The **2cTemp-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 2cTemp 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.

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)

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.



2cTemp-USB DATA LOGGER 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 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:	Two 3.6 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:	Length 9.0 cm (3.5 in.) Width 5.0 cm (2 in.) Depth 2.0 cm (0.8 in.)
Weight:	106 g / 3.7 oz.
Warranty:	12 months
CE Certified:	CE Marking File

FOR FDA, GXP, JCAHO, CAP, HEAP, CARF, CHAP, ACHC, URAC, HOAA, AABB and Regulatory Compliance