General Purpose Data Loggers

SKU# 8019

Get the facts!

These multi-use data loggers are a low-cost and effective solution for temperature monitoring of refrigerated vaccines, biological material, chemicals, pharmaceuticals and documenting the transportation of fruits and vegetables. All units share the same basic palm-sized design. Optional probes are available but not required.

SKU# 8005

The internal thermistor accurately records time and temperatures for user-selectable readings in Celsius, Fahrenheit and Kelvin. 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.

SKU# 8002

All our data loggers have the ability to program alarm limits. Should the temperature reach levels outside these limits, the onboard red LED will light until reset by the user. Operation is as easy as pressing the Start button on the recorder.

The 2c\temp™ is our entry level data logger that offers the best value against all competition. You won't find a better product with these features.

The 3c\temp™ is a mid-range data logger with a generous 8k memory and increased accuracy over the 2c\temp and echo. An excellent general purpose data logger.

The echoAA™ includes a built-in audible alarm with a very clear electronic sound which can be heard even under noisy circumstances, and the larger format has and extended battery life.

Our proprietary IC-9P serial cable is needed to download temperature information to a computer. We also offer a USB to Serial Port adaptor.

Temperature Range
   -29° C to +72° C
   -20° F to +162° F

Temperature Accuracy
   (NIST traceable)
   ±0.2°C at zero degrees
   ±2.0°C at extremes
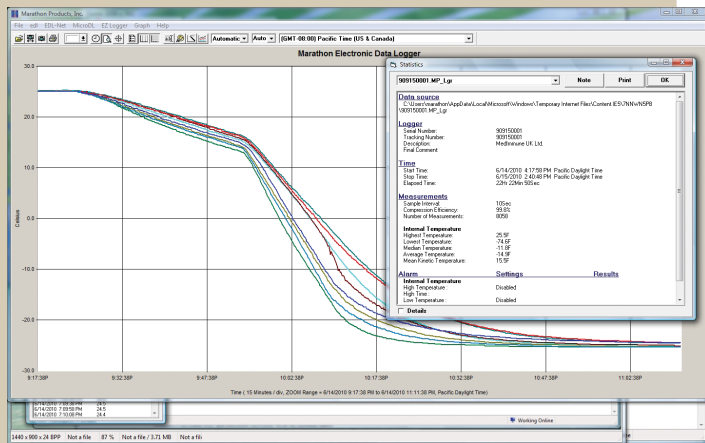
Measurement intervals
   2 seconds to months

Memory EEPROM, Storage
   4k & 8k memory

MARATHON PRODUCTS, INC.

Don't ship without us!®

MDAS-Pro 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, Fahrenheit or Kelvin, Display 3D View option. Data can be exported to other Windows programs such as spreadsheet, word-processing or database. Language support for Chinese, English, French, German, Japanese, and Portuguese. Available for Windows XP, Vista, 7, 8 and 10. An Enterprise Software version and 21CFR Part 11 Compliant Software are also available.

MDAS-Pro Temperature Plots with
Logger General Information

To Order

-29° C to +72° C (-20° F to +162° F)
SKU# 8004   2c\temp −29°C
SKU# 8005   3c\temp −29°C
SKU# 8019   echo −29°C

SKU# 8024   IC-9P Cable

SKU# 9048   USB - Serial Converter Cable

Specifications

Memory EEPROM, Storage:	
2c\temp	4k (approx. 4,000 measurements)
3c\temp & echo	8k (approx. 8,000 measurements)

Temperature Range: -29° C to +72° C (-20° F to +162° F)

Temperature Accuracy:	
2c\temp & echo	0.5°C at 20°C, 1.0°C at extremes (0.9°F at 68°F, 2.0°F at extremes)
3c\temp	0.2°C at 20°C, 0.5°C at extremes (0.4°F at 68°F, 1.0°F at extremes)

Temperature Resolution:	
2c\temp & echo	0.5°C (0.9°F)
3c\temp	0.2°C (0.4°F)

Measurement Intervals: Programmable from 2 seconds to months

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: Serial Port RS232 Cable, USB Converter

Internal Firmware Provides: Start time, Interval, User description, Alarm values, Recording status, Measurement data, Software version, Serial number, Model type

Power Source Echo:	Two 1.5v Alkaline batteries (2 year shelf life).
2c\temp & 3c\temp:	One 3.0 volt Lithium battery with a 12 month shelf life Battery is rated at six months, if used continuously at -29C.

Size:	c\temp	c\tempAA & echo
Length	9 cm (3.54 in.)	12.85 cm (5.06 in.)
Width	5 cm (1.97 in.)	6.73 cm (2.65 in.)
Depth	1.6 cm (0.63 in.)	1.69 cm (0.66 in.)
Weight:	52.5 g (1.85 oz.)	106 g (3.7 oz.)

Warranty:	
2c\temp & echo	3 months
3c\temp	12 months

CE Certified: CE Marking File

Accessories   FLAT-FLEX probe

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