

MARATHON PRODUCTS

edi-USB™ Data Logger

Low Temperature Data Logger with USB Connectivity!

The edi-USB multi-use data logger is perfect for monitoring temperatures down to -40°C (-40°F) without a probe. It uses thermistor technology and has a convenient palm-sized design so it's perfect where space limitations exist.

The edi-USB is our top-of-the-line data logger with 32k memory, 0.1C accuracy and resolution. This is a must have device if you work in a laboratory or metrology department.

Functions include: start, stop, elapsed time as well as customizable time intervals. Also available: user descriptions for initialization and for downloading the data; high and low alarm values, recording status, real time measurement display and more. View up to eight temperature profiles at a time; download data without stopping the original program, all with precision accuracy of $\pm 0.1^{\circ}\text{C}$ at center of range and traceable to NIST standards.

Visual alarms: 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.

Computer ready: Marathon's easy-to-use MaxiThermal software is available for Microsoft Windows 98, NT, 2000, ME, XP, Vista, 7 & 8. Simply plug the unit into a standard USB port on your PC. The MaxiThermal software and USB cable are available as separate accessory items.



Temperature Range

-40°C to $+72^{\circ}\text{C}$
 -40°F to $+160^{\circ}\text{F}$

Temperature Accuracy

(NIST traceable)
 $\pm 0.1^{\circ}\text{C}$ at center of range
 $\pm 0.3^{\circ}\text{C}$ at extremes

Measurement intervals

2 seconds to months

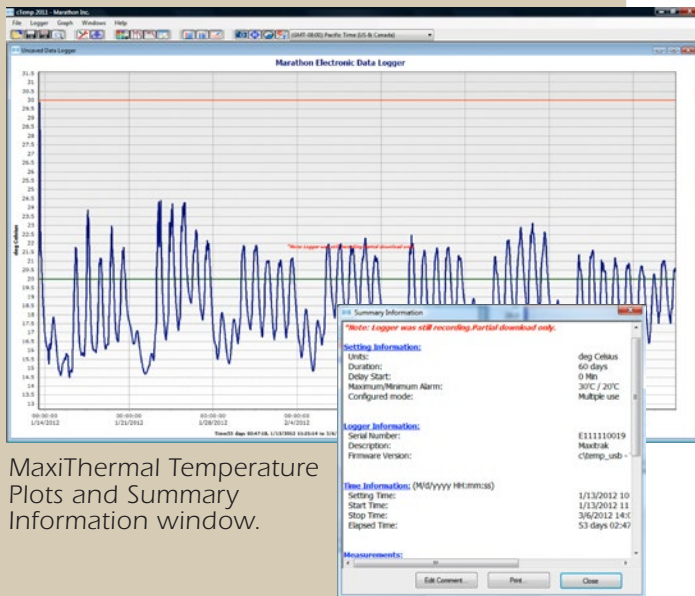
Number of measurements

32k memory
(31,600 samples)

MARATHON
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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, Vista, 7 and 8. 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 software.

edi-USB Specifications

Memory EEPROM, Storage: 32k

Temperature Range:

High +72°C / +162°F / 345.2°K
 Low -40°C / -40°C / 233.2°K

Temperature Accuracy:

At zero ± 0.1C at center of range,
 At Extremes ± 0.3C at extremes

Measurement Interval:

Programmable from 2 seconds to months
 7 days. 22 sec
 30 days. 1 min 26 sec
 60 days. 2 min 48 sec
 90 days. 4 min 12 sec
 180 days. 8 min 5 sec
 365 days. 16 min 58 sec

Temperature Sensor:

NIST-traceable Precision Thermistor

High and Low Alarm Limits:

LED indicator set by temperature and time

Internal Clock Accuracy:

Better than 2 minutes per month

Indicators:

Power and Alarm

Computer Interface:

Mini USB Connector

Internal Software Provides:

Start and End time, Interval, User description, Alarm values, Recording status, Measurement data, Language selection, Temperature scale, Start delay.

Power Source:

One 3.0 Volt Lithium Battery 3 year batter life, 5 year shelf life

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

1.85 oz./52.5 g.



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