

MARATHON PRODUCTS

EDL-XYZ Data Logger

Digital Temperature, RH and Vibration Recorder with Large, Easy-to-Read Display

The EDL-XYZ multi-use data logger can be used to monitor fragile goods during shipment. It contains a temperature sensor, a high accuracy humidity sensor and a 3-D accelerometer. The latter controls the motion and vibration of a truck during shipment. It can also be used for monitoring machinery wear, vibration, impact and shock for all applications.



FEATURES:

- High accuracy thermistor for temperature measurement.
- High accuracy humidity sensor.
- 3-D accelerometer for motion and vibration detection.
- Alarm for out of limits operation for all sensors.
- Recording time updated on LCD display.
- Flexible recording interval time for temperature and humidity.
- Recording time automatically fixed by firmware for motion and vibration.
- Non-volatile memory for data saving
- Trigger threshold set by user for vibration data saving.
- MaxiThermal vibration software for logger parameters setting and monitoring results.
- LCD display for temperature, humidity, and 3 axis vibration.

Applications:

- Vibration, shock, impact monitoring and data logging.
- Monitoring the transport conditions for fragile goods.
- Monitoring machinery wear.

Water-resistant Enclosure:

The product package is hermetically sealed to an IP66 rating.

Temperature Range

-29°C to 72°C
-20°F to 160°F

Humidity Range

0% to 100%

3-D Accelerometer Range:

±2G; ±4G; ±8G; ±16G
Sampling rate: 400 Hz

Memory EEPROM, Storage

Temperature: 8k
Humidity: 8k
Vibration: 42k



Optional bracket.

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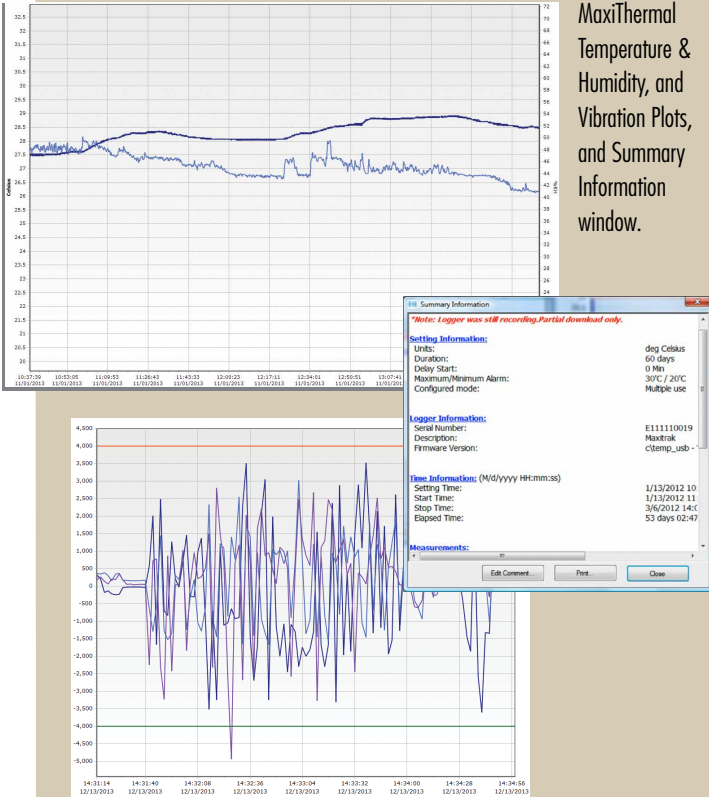
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MaxiThermal Software Highlights: Easy-to-use software provides clear graphs. Report Summary & Statistics File Manager, Note Attachment, Zoom, Elapsed Time or Date/Time View, Recorded View, Celsius or Fahrenheit. Data can be exported to other Windows programs such as spreadsheets, word-processing or databases. Available for Windows XP, Vista, 7, 8 and 10. An Enterprise Software version and 21CFR Part 11 Compliant Software are also available.

MaxiThermal Temperature & Humidity, and Vibration Plots, and Summary Information window.



Serialization:

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

Water-resistant 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.

EDL-XYZ Specifications SKU #7017

Memory EEPROM, Storage: Temperature: 8k, Humidity: 8k, Vibration: 42k

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

Temperature Accuracy: ±0.2°C from 10° to 30°C / ±0.5°C at extremes
±0.4°F from 50° to 86°F / ±0.9°F at extremes

Thermal Sensor: Wired Chip in Glass Thermistor

Temperature Resolution: 0.1°C / 0.4°F

Measurement Intervals: Programmable from 2 seconds to months.

Humidity Range: 0% to 100%

Humidity Accuracy: ±3% RH from 25% to 75%, ±5% RH at extremes

Humidity Sensor: Capacitive Cell

3-D Accelerometer Range: ±2G; ±4G; ±8G; ±16G

Sampling rate: 400 Hz

Accuracy: ±0.05G for 0 to 16G

Resolution: ±0.01G for 0 to 16G

High and Low Alarm Limits: LED display set for temperature, humidity and vibration

Computer Interface: Mini USB Connector

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

Power Source: One CR2477 Lithium Battery with a 1 year operating life and a 5 year shelf life.

Size: Length 9.0 cm / 3.5 in. Width 5 cm / 1.96 in. Depth 2.8 cm / 1.1 in.

Weight: 90 g / 2.6 oz.

Warranty: 12 months

CE Certified: CE Marking File

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

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"Specifications subject to change without prior notice."