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2017 NEW PRODUCT CATALOG



BLUETOOTH



NFC



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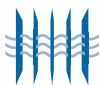
USB



ETHERNET



SERIAL



MARATHON
PRODUCTS, INC.®

TEMPERATURE MEASUREMENT
& CALIBRATION SPECIALISTS

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Marathon Products, Inc.

Marathon Products is a leader in sensor-based data-capture analytic devices that measure temperature, humidity, CO₂ and vibration. Our intelligent sensors, used for shipping, storage or stationary applications can provide precision real-time data capture, globally, for all of life's essentials.

For 26 years now, we have been designing state-of-the-art data collecting solutions that cover cryogenic to high temperature applications. Please check out our new Bluetooth and NFC data loggers that allows users to instantly connect to our precision sensors. As part of our core values of continuous product improvements, we feel that our growing customer base will see the benefit of what Smart Phone Apps, when paired with sensors, can offer.

Today our valued customers/partners include research organizations, governmental laboratories, blood banks, IVF clinics, chemical, semiconductor manufacturers, healthcare delivery systems, food and logistic transportation companies.



Features of our USB LCD devices include:

- Cloud-enabled sensors for temperature, RH, CO₂ and vibration.
- RoHS and Reach-certified components
- CE-conformed designs.
- Traceability using our stringent internal standards and certified NIST instruments.
- 100% testing before delivery to customers.
- Marathon is ISO 9001-2008 BSi-certified and our manufacturing partners are qualified for ISO-9001-2008 by TUV.

Thank you for your continued trust and confidence in our products and services.

Jon Nakagawa,
President, CPA, CEO

MARATHON PRODUCTS

EDL-BT04™

Our Multi-use Temperature and Humidity Logger with Bluetooth connectivity.

The EDL-BT04 is a power saving wireless temperature and RH data logger, using the latest Bluetooth 4.0 technology. This device uses a state-of-the-art Nordic N51822 chip design. Now collect temperature and RH measurement values on your Android or iOS phone and e-mail data files anywhere in the world. Up to 15,000 data points can be captured, stored and analyzed.

With our mobile phone APP, the user can wirelessly download the data through the GPRS network and use configuration tools to download a full-stage real-time temperature and humidity graph. The small footprint, and light weight makes it ideal for temperature testing and mapping environmental conditions.



Applications

- Cold chain logistics,
- Museums,
- Refrigerators - biologics,
- Food service - HACCP,
- Medical and warehousing operations,
- Pharmacy cold room,

Product Features

- Real-time display of data,
- High precision and high stability,
- Bluetooth 4.0,
- Long-distance wireless communication, 25 meter maximum,

Temperature Range

-40° C to +125° C

-40° F to +257° F

Humidity Range

0% to 100%

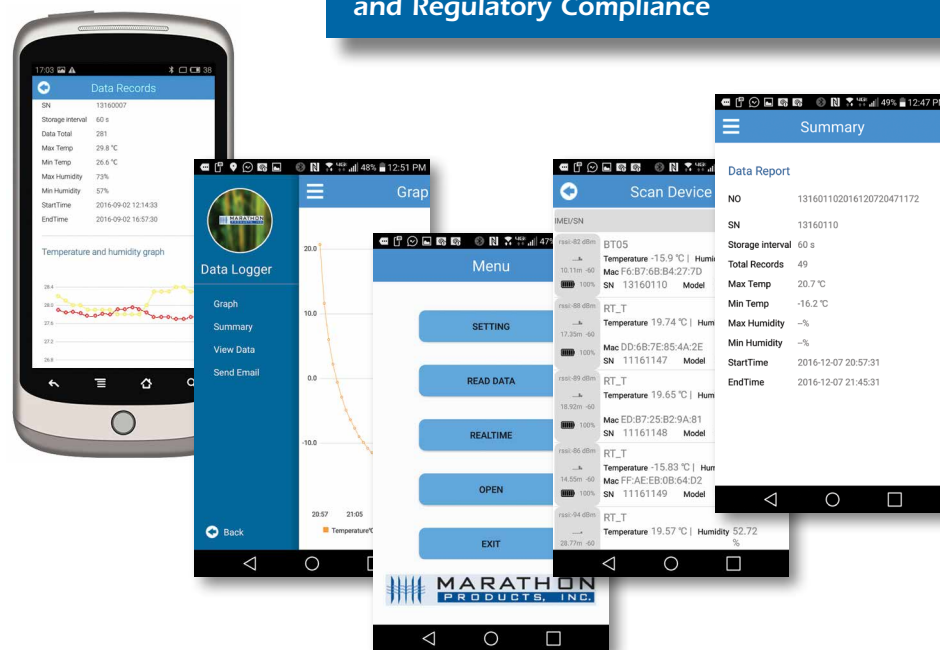
Software Highlights: Temperature Data Logger is a free mobile application provided to connect to the EDL-BT04 using Bluetooth technology. With the mobile phone APP, the user can wirelessly download the data through the GPRS network, and use configuration tools to achieve a full-stage real-time temperature and humidity recording. Options include changing settings, data transmission, recording, synchronization, and uploading to a server. Works with Android, IOS, and Windows 10.

- Built-in high-sensitivity temperature and humidity sensors,
- Can store 15,000 temperature and humidity data points,
- Alarm temperature and humidity limits set by user,
- Temperature and humidity intervals are set by user,
- Import data into other apps including Excel,
- Temperature graphs can be automatically generated using the APP.

SKU #8023: EDL-BT04 DATA LOGGER SPECIFICATIONS

Memory:	256k Temperature & RH
Storage:	Up to 15,000 data points
Temperature Range:	-40° C to +125° C / -40° F to +257° F
Temperature Accuracy:	±0.3° C
Humidity Detection Range:	0% to 100% RH
Humidity Detection Accuracy:	±3.0% RH
Signal Frequency Transmission:	2.400 - 2.4835 GHz
Protocol:	Bluetooth 4.0
Modulation Mode:	GFSK
Transmission Interval:	10S-24H Continuous setting
Communication Rate:	1Mbps
Receiving Sensitivity:	1Mbps@-93dbm
Maximum Transmission Distance:	25 meters, adjustable
Internal Battery:	600mAh /3V
Battery Life:	1 year. (Depends on mode of operation.)
Replaceable battery)	
Net Weight:	30g / 1.05 oz.
Dimension:	50mm x 50mm x 20mm / 1.96 in. x 1.96 in. x .79 in.

For FDA, GxP, JCAHO, CAP, HFAP, CARE, CHAP, ACHC, URAC, HQAA, AABB, HACCP and Regulatory Compliance



MARATHON PRODUCTS

EDL-4S™

For All Your Laboratory, Cold Room and Environmental Monitoring.

Now obtain Temperature, RH, CO₂ and Vibration profiles in a compact low-cost 4-channel LCD data logger! Use either as a stand-alone device, or as a Wireless Data logger when connected to our separate WiFi Reader Station. The Reader Station may be battery powered or AC powered, your choice. This device is perfect for mapping your warehouse, refrigerators or monitoring industrial machinery during shipment or stationary applications.

- Temperature Sensor: RTD -200°C to +380°C, accuracy $\pm 0.2^\circ\text{C}$
- Relative Humidity Sensor: Capacitive humidity readings 0% RH to 100% RH.
- CO₂ Sensor: Infrared 0 to 30,000 PPM accuracy $\pm 30 \text{ PPM} \pm 5\%$

- Vibration sensor: 3-D Accelerometer with a sampling rate of 1 to 400 Hz.

WiFi and 4G Capability

The EDL-4S can be remotely monitored via a WiFi when attached to the separate WiFi Cellular Reader Station. The device also connects directly to the computer via a USB port for settings.

Statistics and mathematical functions

In addition to temperature and humidity, this compact 4

HIGHLIGHTS

- Temperature sensors: RTD -200° C to +380° C
- Relative Humidity Sensor: 0% to 100 % RH
- CO₂ Sensor: Infrared 0 to 30,000 PPM
- Vibration sensors: Mems sampling rate 1 to 400 Hz
- 32 K memory storage per channel for single data sensor probe on 4 channels.
- Precision data capture
- Alert notifications by e-mail or SMS
- Custom 1 meter probes standard
- Sensor recalibration firmware

channel LCD data logger calculates min/max. over alarm conditions and much more.

Alarms and battery backup

Alarm settings can be set up quickly in the MaxiThermal WiFi software based on temperature and RH. Likewise, alarm settings can be set up to trigger e-mail notifications. This device contains one AA lithium battery for ample power. The WiFi reader is powered by four AA batteries or with an AC/DC adapter.

Large, easy-to-read display

The EDL-4S is the ideal instrument for documenting, controlling, and managing critical environmental conditions graphically, statistically and in real time. View high/low data and all alarm conditions in real time on the LCD display.

SKU #7050: EDL-4S DATA LOGGER SPECIFICATIONS

Memory:	128k data memory for 4 sensors, Automatic data memory size adjustment
4 Digital sensor options:	RTD, Humidity, CO ₂ , Vibration
Temperature Range:	-200°C to +380°C / -328°F to +716°F
Temperature Accuracy:	$\pm 0.2^\circ\text{C}$ at room, 1.5°C at extremes / $\pm .36^\circ\text{F}$ at room, 2.7°F at extremes
Temperature Resolution:	0.1°C / .18°F
Humidity:	0% to 100% RH
CO ₂ Sensor:	Infrared 0 to 30,000 PPM. Accuracy $\pm 30 \text{ PPM} \pm 5\%$
Vibration:	Up to 16G and 400 hertz sampling
Recording Rate (sec.):	Set by user
Alarm Programming:	High and low alarm limits set by temperature, humidity, and time
Alarm Modes:	Time Over Alarm (TOA) displays for each channel
Alarm Notifications:	Alert notification to e-mail, phone, pager and SMS
Interface:	RJ11 interface for 4 sensors
Communication:	USB 2.0 with mini B connector Optional WiFi via Reader Station
Power Source:	1- LiSoCl ₂ 3.6V 1.2 Ah for logger 4- LiSoCl ₂ 3.6V 2.4Ah or 1120V/220V AC adaptor for WiFi Reader
Required Accessories:	MaxiTherma-X: SKU #7070
Optional Accessories:	Cable probes up to 30 meters for RTD
Physical Properties	
Operating range:	0°C to 50°C / 32°F to 122°F
Storage Range:	-20°C to +85°C / -4°F to 185°F
Display:	FSTN segment LCD
Viewing Area:	60 x 40 mm / 2.36 in. x 1.57 in.
Width:	5.0 cm / 1.96 in.
Height:	10.5 cm / 4.13 in.
Depth:	2.5 cm / .98 in.
Weight:	300 grams / 10.58 oz.

For FDA, GxP, JCAHO, CAP, HFAP, CARE, CHAP, ACHC, URAC, HQAA, AABB, HACCP and Regulatory Compliance



MARATHON PRODUCTS

EDL-XYZ™ Data Loggers

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.

Temperature Range

-29°C to 72°C
-20°F to 160°F

Humidity Range

0% to 100%

3-D Accelerometer Range

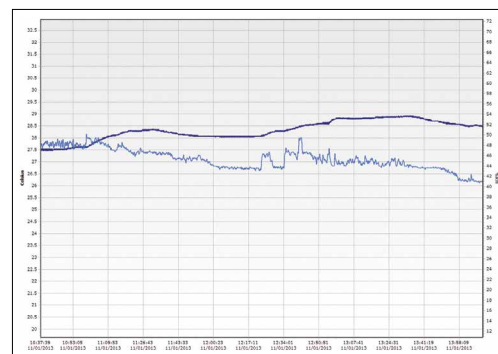
±2G; ±4G; ±8G; ±16G
Sampling rate: 10 to 50 Hz

Memory EEPROM, Storage

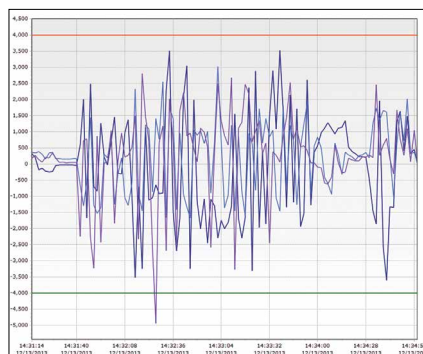
Temperature: 8k
Humidity: 8k
Vibration: 42k

Optional Accessories

20" external probe



Temperature & Humidity Recording Graph



Vibration Recording Graph

- 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.

SKU #7015: EDL-XYZ DATA LOGGER SPECIFICATIONS

Memory EEPROM, Storage:	Temperature: 8k, Humidity: 8k, Vibration: 42k
Temperature Range:	-29°C to +72°C / -20°F to +160°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:	0.2° C at center / 0.4° at center 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: 10 to 50 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
Firmware Provides:	Internal Clock, Start time, Interval, User description, Alarm values, Recording status, Measurement data, Firmware version, Serial number, Model type.
Required Accessories:	MaxiThermal Software: SKU #7002 USB Standard A to Mini B Cable: SKU #9046
Optional Accessories:	20" external probe: SKU #7033 Mounting bracket: SKU #7003
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

For FDA, GxP, JCAHO, CAP, HFAP, CARF, CHAP, ACHC, URAC, HQAA, AABB, HACCP and Regulatory Compliance



Optional external probe
SKU #7033



Optional bracket
SKU #7003



MARATHON PRODUCTS

EDL-M5™

Rugged Remote Temperature Management for Facilities, Warehouses, Trucking, and Exterior Sites “Wireless Sensor Connectivity”

The EDL-M5 has a powerful 2-way 900MHz radio for long range wireless connectivity and is ideal for remotely monitoring multiple buildings, trucks, warehouses and sites simultaneously. With expanded individual sensor memory and back-up batteries the EDL-M5 protects against any data loss caused by a network interruption, computer malfunction or other system failure. This makes the EDL-M5 the most durable, reliable, and robust wireless temperature logger on the market today. With 256-bit AES Encryption the EDL-M5 can be securely accessed at anytime from anywhere over a local network or via the internet.

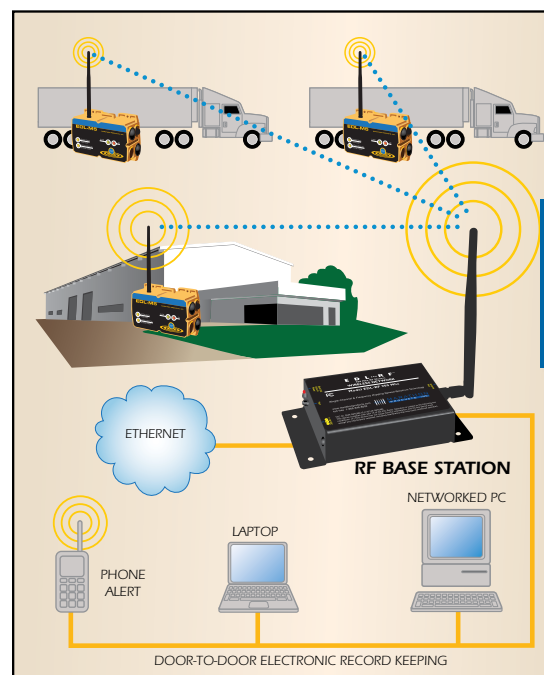
In the lab, our NIST-calibrated and traceable thermistor probes have been tested sterile and can be used in most clean environments. EDL-M5 is perfect for quality assurance and quality control, for monitoring low temperature facilities, storage, warehouses, and trucking via state-of-the-art high performance temperature sensors and data logging.



BENEFITS

- Alarm notifications via cell e-mail, phone, SMS or pager
- Multiple Alarm options: local and remote
- Interchangeable sensors: -80°C to 72°C
- Precision temperature data capture
- Powerful software with real time display
- Audit Trails for Regulatory Control
- 8K to 64K EEPROM memory options
- Power outage detection and backup capabilities

The EDL-M5 is an ideal tool for reliably collecting, recording and storing temperature measurement data in real time, documenting standards compliance, and as proof for certification.



SKU #8081: EDL-M5 DATA LOGGER SPECIFICATIONS

Temperature Range:	-40°C to 72°C / -40°F to 160°F -80 C to 30 C / -112°F to 86°F
Temperature Accuracy:	0.2°C at center, 0.5°C at extremes
Temperature Sensor:	NIST-traceable precision thermistor
Indicators:	Battery Check, System Connected, Alarm, On
Range:	Up to 2000' indoor/urban range Outdoor RF line of sight range with high gain antenna 20 miles
Start:	Push button and remote start via software
Alarm:	High/low alarm limits set by temperature and time limits
Alarm Modes:	Continuous or cumulative with LED indicators
User notifications:	Alarm conditions on screen via e-mail and cell phone
Power Source:	Four D cells alkaline. Battery backup—Fail-safe prevents data loss.
Required Accessories:	MDAS-Pro: SKU #8027
Optional Accessories:	<ul style="list-style-type: none"> • Optional probes • External battery connectors to outside power supply • Adaptor to AC outlets • External relays for greater distance, • Ethernet connectors.

Physical properties

Width:	16.05 cm / 6.32 in.
Height:	12.40 cm / 4.88 in.
Depth:	7.34 cm / 2.89 in.
Weight:	1.27 kilograms / 2 lbs 8.6 oz. (with 4 D cells)

For FDA, GxP, JCAHO, CAP, HFAP, CARE, CHAP, ACHC, URAC, HOAA, AABB and Regulatory Compliance

MARATHON PRODUCTS

MaxiLog™

Our Multi-use Temperature Logger with Real-Time LCD Display for Instant TOA (Time Over Alarm) Conditions.

MaxiLog is the revolutionary, multi-use, user programmable, electronic temperature data recorder specifically designed for measuring temperatures during the transportation of refrigerated vaccines, biological material, chemicals, pharmaceuticals, and for documenting the transportation of perishable commodities. The real-time LCD screen provides instant TOA (Time Over Alarm) notification.

The MaxiLog is NIST-traceable and available with Certificates of Temperature Conformance. The MaxiLog is also available in a pre-programmed single-use model.

Functions include

- Internal Thermistor: accurately records time and temperatures for user selectable readings in Celsius or Fahrenheit.
- LCD display: Shows High and Low Alarm Limits, Current Temperature, Run Time and TOA (Time Over Alarm) in Days, Hours and Minutes.

The internal software records the following:

time mechanism, start time, sampling intervals, end description for special instructions, alarm values, recording status, measurement data, software version, serial and tracking number, model type, and after-the-fact report generation options.

Visual Alarms: All our data loggers can be programmed with alarm limits. Should the temperature reach levels outside these limits, the LCD will display an alarm icon. To start the recorder, simply press the start button!



Temperature Range

- -35°C to +50°C (-31°F to +122°F)

Temperature Accuracy

- ±0.2°C (±0.4°F) from 0° to 10° C (30° to 50° F); ±1.0°C (±1.8°F) at extremes

Measurement Intervals

- 2 seconds to months

Number of Measurements

- 8K memory (7,680 data pts.)

USB Interface: To download recorded information, simply plug the USB Cradle into the standard USB port of your PC.

Computer Ready:

MaxiThermal software is used to read the logger. It runs on Windows 2000, XP, Vista, 7 and 8. The MaxiThermal software and USB Cradle are available as separate accessory items.

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

Recyclable: Single-Use MaxiLog units are designed for single use, and we encourage recycling. Please call Marathon Products for complete disposal or recycling instructions.

Minimum Order

Quantity: Single-Use MaxiLog units are sold in minimum lot quantities of 25 units. Your order is shipped on the same day if the order is placed before 2 p.m. PST.

SKU #7026/7029: MAXILOG DATA LOGGER SPECIFICATIONS

Memory:	EEPROM, 8k Storage
Temperature Range:	-35°C to +50°C / -31°F to +122°F
Temperature Accuracy:	±0.2°C at 0° to 10°C, ±1.0°C at extremes / ±0.36°F at 32° to 50° F, ±1.8°F at extremes
Measurement Intervals:	Pre-programmed from 1 minute to hours depending on model type (duration).
Temperature Sensor:	NIST-traceable Precision SMT Thermistor
Indicators:	LCD Display. Start/Stop and Alarm
High and low alarm limits:	Alarm set by temperature and time
Computer Interface:	Optional USB Cradle
Water-resistant:	The product package is hermetically sealed to an IP66 rating.
Firmware Provides:	Internal Clock, Start time, Interval, User description, Alarm values, Recording status, Measurement data, Firmware version, Serial number, Model type.
Required Accessories:	MaxiThermal Software: SKU #7002 Cradle/Reader Station: SKU #7027
Power Source:	Lithium Battery (2 year operating, 3 year shelf life)
Size:	Length Width Depth 5.5 cm (2.2 in.) 2.7 cm (1.0 in.) 1.4 cm (0.55 in.)
Weight:	19 g (2.0 oz.)

For FDA, GxP, JCAHO, CAP, HFAP, CARE, CHAP, ACHC, URAC, HQAA, AABB, HACCP and Regulatory Compliance



Cradle Reader Station
SKU #7027

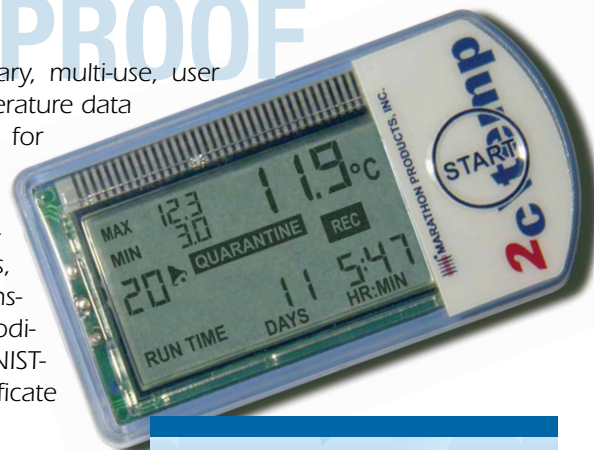
MARATHON PRODUCTS

2c\temp-LCD™ Data Loggers

Our Multi-use Temperature Logger with Real-Time LCD Display for Instant Acceptance or Quarantine Decisions.

SPLASHPROOF

2c\temp-LCD is the revolutionary, multi-use, user programmable, electronic temperature data recorder specifically designed for measuring temperatures during the transportation of refrigerated vaccines, biological material, chemicals, pharmaceuticals, and for documenting the transportation of perishable commodities. The 2c\temp-LCD is NIST-traceable and comes with a Certificate of Conformance.



Functions include

- Internal Thermistor: accurately records time and temperatures for user selectable readings in Celsius or Fahrenheit.
- LCD display: Shows Current temperature, Max Temperature, Minimum Temperature, Run Time, Alarm Status, and Recording.

Small Form Factor: 2c\temp-LCD has an extended battery life and can endure rough handling. The internal software records the following: time mechanism, start time, sampling intervals, end description for special instructions, alarm values, recording status, measurement data, software version, serial and tracking number, model type and after the fact report generation options.

Cloud Computing Temperature Logger Management

TRACEABILITY, HACCP COMPLIANCE

Marathon's Temperature data logger customers can share data and access their temperature and RH files remotely, anywhere, at anytime via the Internet.

Our cloud-based software provides compliance with HACCP rules and regulations for all of your perishable shipments.

Visual Alarms: All our data loggers can be programmed with alarm limits. Should the temperature reach levels outside these limits, the LDC will display "ALARM." To start the recorder, simply press the start button!

USB Interface: To download recorded information, simply plug the optional USB Cradle into the standard USB port of your PC.

SKU #7004: 2c\temp-LCD DATA LOGGER SPECIFICATIONS

Memory:	EEPROM, 8k Storage		
Temperature Range:	-35°C to +50°C / -31°F to +122°F		
Temperature Accuracy:	±0.2°C at 0° to 10°C / ±1.0°C at extremes ±0.36°F at 32° to 50° F / ±1.8°F at extremes		
Measurement Intervals:	User programmed from 2 seconds to months.		
Temperature Sensor:	NIST-traceable Precision SMT Thermistor		
Indicators:	Start/Stop and Alarm		
High and low alarm limits:	LCD display. ALARM set by temperature and time.		
Computer Interface:	Optional USB Cradle		
Firmware Provides:	Internal Clock, Start time, Interval, User description, Alarm values, Recording status, Measurement data, Firmware version, Serial number, Model type.		
Software Required:	MaxiThermal		
Power Source:	Lithium Battery (1 year operating, 3 year shelf life)		
Size:	Length	Width	Depth
	6.5 cm / 2.56 in.	3.4 cm / 1.3 in.	0.9 cm / 0.35 in.
Weight:	56.7 g / 2.0 oz.		
Required Accessories:	MaxiThermal Software: SKU #7002 USB Reader Station: SKU #7005 USB Standard A to Mini B Cable: SKU #9046		
Serialization:	This recorder is programmed at the factory with a unique serial number for positive tracking.		
Water-resistant:	The product package is hermetically sealed to an IP66 rating.		

USB Cable
SKU #9046



Reader Station
SKU #7005

For FDA, GxP, JCAHO, CAP, HFAP, CARE, CHAP, ACHC, URAC, HQAA, AABB, HACCP and Regulatory Compliance



MARATHON PRODUCTS

3C\TEMP-USB™ & 3C\TEMP-RH™

Our Multi-use Temperature and Humidity Logger with Real-Time LCD Display for Instant Acceptance or Quarantine Decisions.

3C\TEMP-USB & 3C\TEMP-RH are revolutionary, multi-use, user programmable, electronic temperature data recorders specifically designed for measuring temperatures during the transportation of refrigerated vaccines, biological material, chemicals, pharmaceuticals, and for documenting the transportation of perishable commodities. They are NIST-traceable and come with Certificates of Conformance.

Functions include:

- Internal Thermistor: accurately records time and temperatures for user selectable readings in Celsius or Fahrenheit.
- LCD display: Real-time viewing of Current temperature, Max /Min Temperature, Run Time, Alarm Status, and Recording.
- The C\TEMP-RH also records relative humidity values.

Small Form Factor: These units have an extended battery life and can endure rough handling. The internal software records the following: time mechanism, start time, sampling intervals, end description for special instructions, alarm values, recording status, measurement data, software version, serial and tracking number, model type and after the fact report generation options.

Visual Alarms: All our data loggers can be programmed with alarm limits. Should the temperature reach levels outside these limits, the LCD (change to LCD) will display "ALARM." To start

the recorder, simply press the start button!

Computer Ready:

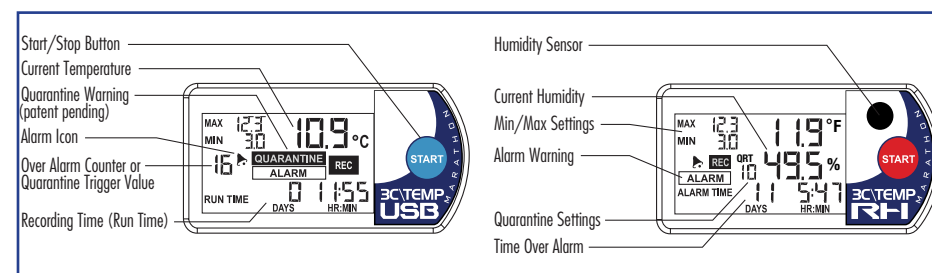
Marathon's easy-to-use MaxiThermal2 software is available for Microsoft Windows XP, 7, 8, 8.1 & 10. Simply plug the unit into a standard USB port on your PC. The MaxiThermal2 software and USB cable are available separately.

SKU #7060: 3C\TEMP-USB & SKU #7061: 3C\TEMP-RH SPECIFICATIONS

Memory EEPROM, Storage:	3C\TEMP-USB: 8k Temperature 3C\TEMP-RH: 8k Temperature, 8K RH
Temperature Range:	-29° C to +72° C / -20° F to +160° F
Temperature Accuracy:	±0.5° C from 0° C to 10° C, ±1° C at extremes ±1.0° F from 32° F to 50° F, ±1.8° F at extremes
Temperature Resolution	0.1° C / 0.18° F
Temperature Sensor:	3C\TEMP-USB: Wired chip in glass thermistor 3C\TEMP-RH: MEMS
Humidity - 3C\TEMP-RH only:	
Humidity sensor	CAPACITIVE MEMS
Humidity range	0 to 100%
Humidity accuracy	±3% from 0 to 80%, ±5% from 80 to 100%
Humidity resolution	0.1%
Measurement Intervals:	User programmable from 2 seconds to months.
High and low alarm limits:	LED indicator
Computer Interface:	Mini USB connector
Internal Firmware Provides:	Internal Clock, Start time, Interval, User description, Alarm values, Recording status, Measurement data, Firmware version, Serial number, Model type.
Power Source:	CR2450 Battery
Battery Life:	2 year operating, 3 year shelf life.
Warranty:	12 months
Size:	Length 6.5 cm / 2.5 in. Width 3.4 cm / 1.3 in. Depth 0.9 cm / 0.35 in.
Weight:	33 g / 1.16 oz.
Required Accessories:	MaxiThermal2 Software: SKU #7008
Optional Accessories:	USB Standard A to Mini B Cable: SKU #9046
Water-resistant:	The 3C\TEMP-USB is hermetically sealed to an IP66 rating.



For FDA, GxP, JCAHO, CAP, HFAP, CARF, CHAP, ACHC, URAC, HQAA, AABB, HACCP and Regulatory Compliance



MARATHON PRODUCTS

c\temp-LCD NFC™ Data Loggers

*Our Single-use NFC capable,
Temperature Logger with Real-
Time LCD Display.*

c\temp-LCD NFC is a single-use, pre-programmed, electronic temperature data recorder with NFC capability. By holding the Android smartphone directly over the LCD display, customers can instantly interrogate the data logger and create a PDF file of the recorded temperatures, then e-mail them anywhere in the world.

The c\temp-LCD NFC is specifically designed for measuring temperatures during the transportation of refrigerated vaccines, biological material, chemicals, pharmaceuticals, and for documenting the transportation of perishable commodities. It is NIST-traceable and comes with a Certificate of Conformance.

Functions include

- Internal Thermistor: accurately records time and temperatures for readings in Celsius or Fahrenheit.
- LCD display: Shows Current temperature, Max Temperature, Minimum Temperature, Run Time, Alarm Status, and Recording.

Small Form Factor: c\temp-LCD NFC has an extended battery life and can endure rough handling. The internal software records the following: time mechanism, start time, sampling intervals, end description for special instructions, alarm values, recording status, measurement data, software version, serial and tracking number, model type and after-the-fact report generation options.



Visual Alarms: All our data loggers can be programmed with alarm limits. Should the temperature reach levels outside these limits, the LCD will display "ALARM." To start the recorder, simply press the start button!

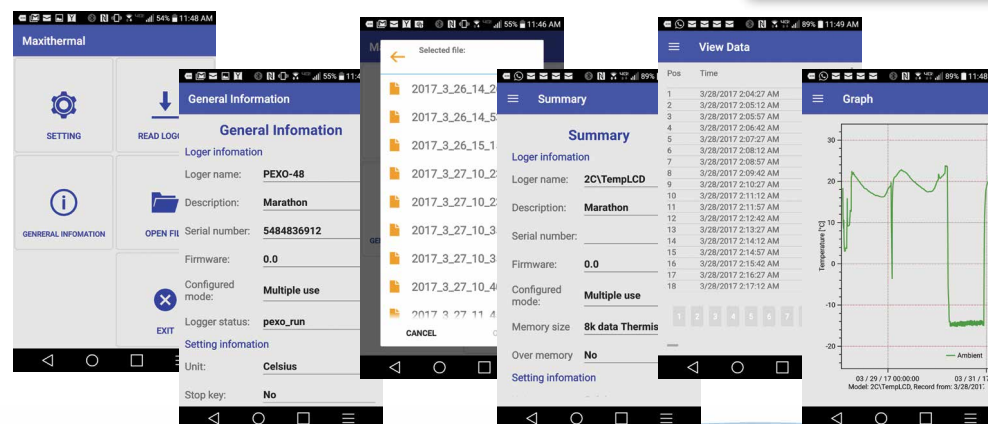
USB Interface: To download recorded information, simply plug the USB reader station and cable into the standard USB port of your PC. MaxiThermal software, reader station and cable are sold separately.



SKU# 7036: c\temp-LCD NFC DATA LOGGER SPECIFICATIONS

Memory:	EEPROM, 8k Storage (approx. 8,000 data points)		
Temperature Range:	-35°C to +50°C / -31°F to +122°F		
Temperature Accuracy:	±0.2°C at 0° to 10°C, ±1.0°C at extremes / ±0.36°F at 32° to 50° F, ±1.8°F at extremes		
Measurement Intervals:	60 day run program: May be pre-programmed from 1 minute to 11 minutes.		
Temperature Sensor:	NIST-traceable Precision SMT Thermistor		
Indicators:	LCD Display. Start/Stop and Alarm		
High and low alarm limits:	ALARM set by temperature and time.		
Computer Interface:	USB Reader Station and Cable		
Firmware Provides:	Internal clock, Start time, Interval, User description, Alarm values, Recording status, Measurement data, Firmware version, Serial number, Model type		
Power Source:	Lithium Battery (1 year operating, 3 year shelf life)		
Size:	Length	Width	Depth
	6.5 cm / 2.56 in.	3.4 cm / 1.3 in.	0.9 cm / 0.35 in.
Weight:	57.7 g / 2.0 oz.		
Water-resistant Enclosure:	The product package is hermetically sealed to an IP66 rating.		
Warranty	1 year.		
Quantity:	Minimum 20 units. Your order is shipped on the same day if the order is placed before 2 p.m. PST.		
Serialization:	This recorder is programmed at the factory with a unique serial number for positive tracking.		
Required Accessories:	MaxiThermal Software: SKU#7002 USB Reader Station: SKU# 7005 USB Standard A to Mini B Cable: SKU#9046		
Recyclable:	c\temp-LCD recorders are designed for single use, and we encourage recycling. Please call Marathon Products for complete disposal or recycling instructions.		

For FDA, GxP, JCAHO, CAP, HFAP, CARF, CHAP, ACHC, URAC, HQAA, AABB, HACCP and Regulatory Compliance



MARATHON PRODUCTS

c\temp-USB -80C™ Coin Cell Data Logger

The USB Single-use that meets IATA regulations.

Our compact c\temp-USB -80C dry ice data logger now comes with USB built-in so that downloading data is fast! Connect with a mini USB cable found anywhere and obtain real time and or stored readings immediately. Our time-tested dry ice loggers, used by Fortune 500 Companies globally, for dry ice shipments NOW comes with USB connectivity. Connect immediately to your PC with this new USB enhancement without having to worry about bringing the data logger to room temperatures. You asked and we have delivered! This new product is IP66 rated for moisture prevention commonly associated with dry ice shipments.

Designed for measuring temperatures during the transportation of biologics, vaccines, chemicals, pharmaceuticals and ultra frozen products—this new product will surely satisfy your critical dry ice shipments.

The internal software provides the following features: time mechanism, start time, intervals, end descriptions details for special instructions, alarm values, recording status, measurement data, software version, serial numbers, model type and after the fact report generation options.



Temperature Range

-80° C to +30° C
(-113° F to +86° F)

Temperature Accuracy

±0.2°C (±0.4°F)
at 0° to 10°C
(32° to 50° F);
±2.0° C (±1.8° F)
at extremes

Measurement Intervals

Pre-programmed from
2 seconds.

EEPROM Memory

8k

MDAS Software includes language conversion on the fly from English to: Spanish, German, Portuguese, Japanese, and French.

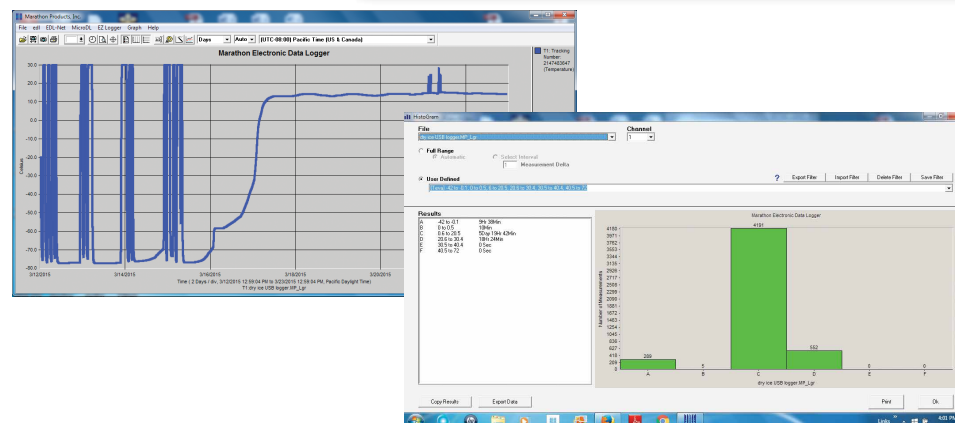
To Start the recorder, simply press the START Button!



SKU# 7044: c\temp-USB -80C COIN CELL DATA LOGGER SPECIFICATIONS

Memory EEPROM, Storage:	8k, approximately 8,000 measurements
Temperature Range:	-80° C to +30° C / -113° F to +86° F
Temperature Accuracy:	±0.2°C at 0 to 10°C, ±2.0°C at extremes
Temperature Resolution:	0.5°C / 0.9°F
Measurement Intervals:	Programmable from 2 seconds per reading.
Temperature Sensor:	Precision NTC thermistor
Indicators:	Start/Stop and Alarm
High and low alarm limits:	LED indicator alarm set by temperature and time
Computer Interface:	USB Mini B port
Firmware Provides:	Internal Clock, Start time, Interval, User description, Alarm values, Recording status, Measurement data, Firmware version, Serial number, Model type.
Power Source:	coin cell CR2450 - single 3.6 V lithium with 1 year operating life and 3 year shelf life. 0.13 g of lithium. Dia. 3.2 cm, Height 0.65 cm IATA approved battery - No labeling required.
Size:	9 cm (l) x 5 cm (w) x 2.8 cm (h) / 3.5 in.(l) x 1.96 in (w) x .1.1 in.(h)
Weight:	85 g (3.0 oz.)
Probes	No
Required Accessories:	MDAS Software: SKU #8107 USB Standard A to Mini B Cable: SKU#9046
Accessories:	NIST Certificate = no charge Optional NIST Certificate + 1, 2 or 3 Point Calibration Available
Warranty:	3 Months

**For FDA, GxP, JCAHO, CAP, HFAP, CARF,
CHAP, ACHC, URAC, HQAA, AABB, HACCP
and Regulatory Compliance**



Min/Max™

SKU #7046

Low-cost temperature monitoring.

- Low-cost temperature thermometers
- Refrigerator/freezer thermometer.
- Digital temperature range -35° C to +85° C / -35° F to +185° F
- Factory set to either Fahrenheit or Celsius.
- Press start button to refresh display.
- Min/Max reset. Freeze display and reset.
- Stand or hang on wall.
- 365 day battery life.

Min/Max Plus™

SKU #7047

Compact, economical temperature monitoring with built-in external probe and real-time LCD display.



The Min/Max Plus is a reliable cost-effective digital temperature recorder that is ideal for laboratories, blood banks needing low-cost real-time information. It has an external 2 meter (6.56 ft.) probe that can measure temperatures as low as -35°C.

LCD Display: View ambient or probed temperatures in real-time, prior to downloading data.

Freeze Display: To freeze the display simply press the START button. To reset: simply press once again to reset and resume.

Visual Alarms: This data logger features user programmable alarm limits. Should the temperature reach levels outside these limits, the LCD will display an alarm. Alarms are visible until reset by the user. Operation is as easy as pressing the START button on the logger.

USB Interface: Put the Min/Max Plus into the reader station to download recorded information.

Small Form Factor: The thumb-sized format fits easily into small spaces.

Temperature Range

35°C to +85°C /
-31°F to +185°F

Temperature Accuracy

(NIST-traceable)
±0.3°C (±.54°F) from 0° to
10° C (32° to 50° F);
±1.0°C (±1.8°F) at extremes

Size

Length: 5.5 cm/2.2 in.
Width: 2.7 cm/1.06 in.
Depth: 1.4 cm/0.55 in.
Weight: 32 g / 1.13 oz.



USB Cradle/Reader
Station SKU #7024

SKU #7047: Min/Max Plus DATA LOGGER SPECIFICATIONS

Memory EEPROM, Storage:	8K (approx. 8,000 measurements)
Temperature Range:	-35°C to 85°C / -31°F to 185°F
Temperature Accuracy:	± 0.3°C at 0°C to 10°C, ± 1°C at extremes / ± 0.54°F at 32°F to 50°F, ± 1.8°F at extremes
Measurement intervals:	User programmable from 2 seconds to months
Multi-use Temperature sensor:	NTC probe with wired glass thermistor, SST tube dia. 3mm 2cm long- IP67
Probe:	Silicone cable dia. 2.0mm(0.08 in), 2.0 meter(6.56 feet) long
Indicators:	Start/Stop and Alarm
High and low alarm limits:	LCD display, ALARM set by temperature and time
Computer interface:	USB Standard Plug A to Mini B cable and Reader Station
Internal firmware provides:	Times, Start time, Interval, User description, Alarm values, Recording status, Measurement data, Firmware version, Serial number, Model type
Power source:	Lithium battery (1 year operating, 3 years shelf life)
Size:	Length Width Depth 5.5 cm / 2.2 in. 2.7 cm / 1.06 in. 1.4 cm / 0.55 in.
Weight:	32 g / 1.13 oz with probe
Required Accessories:	MaxiThermal2 Software: SKU #7002 Maxilog MaxiThermal2 Reader Station: SKU #7024

For FDA, GxP, JCAHO, CAP, HFAP, CARE,
CHAP, ACHC, URAC, HQAA, AABB, HACCP
and Regulatory Compliance

ISO 9001-2008

*Don't ship
without us!®*



temperature



humidity



vibration



CO₂



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