

MARATHON PRODUCTS

3C\TEMP-ULTRA™

Laboratory grade, high accuracy, multi-use temperature logger with real-time LCD display for instant acceptance or quarantine decisions.



3C\TEMP-ULTRA is a 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. It is NIST-Traceable and comes with Certificates of Conformance.

Functions include:

- Internal Thermistor: accurately records time and temperatures for userselectable readings in Celsius or Fahrenheit.
- LCD display: Real-time viewing of Current temperature, Max/Min Temperature, Run Time, Alarm Status, and Recording.
- NFC-enabled.

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 LDC 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 7, 8, 8.1 & 10. Simply plug the unit into a standard USB port on your PC. The Maxi-Thermal2 software and USB cable are available separately. Data can also be accessed using Marathon's Maxi-Thermal NFC Android App.

Temperature Range

-29° C to +72° C
-20° F to +160° F

Temperature Accuracy

(NIST traceable)
±0.2°C from 0° to 10°C
±1.0°C at extremes

Memory EEPROM, Storage
8k per sensor

MARATHON

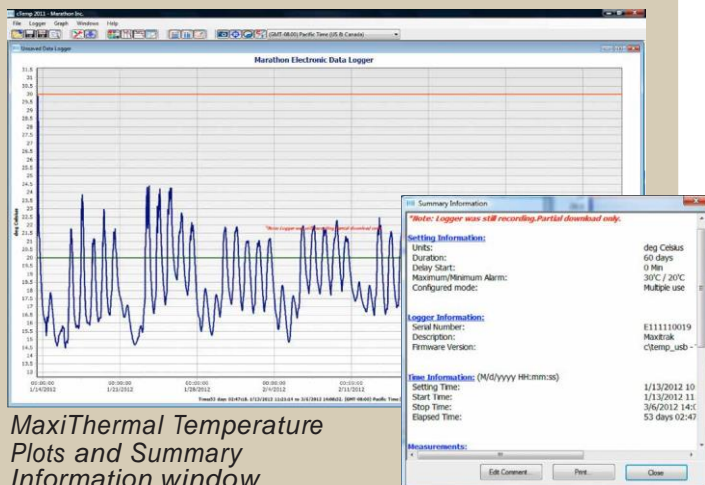


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MaxiThermal2 Software Highlights: Easy-to-use software provides clear graphs. Report Summary & Statistics File Manager, Note Attachment, Zoom, Elapsed Time or Date/Time View, Recorded View, Celsius or Fahrenheit. Data can be exported to other Windows programs such as spreadsheets, word-processing or databases. Available for Windows 7 & 8.1 and 10. An Enterprise Software version and 21CFR Part 11 Compliant Software are available.



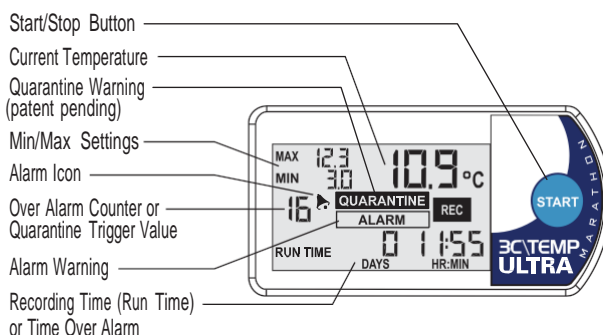
MaxiThermal Temperature Plots and Summary Information window.

Logger Model: **3C\TEMP-ULTRA with new chip**
 Sales Order #: Test
 PO #: Test
 Temperature Reference: Fluke Calibration Ref. Thermometer Model 1524, Accuracy +/- 0.05°C
 Humidity Reference: ThermoWorks ThermoHygrometer Model 1522, Accuracy: +/- 3% RH

1	179000001	-20.06° C	-20.00° C	-0.060
2		-9.84° C	-9.80° C	-0.040
3		0.00° C	0.00° C	0.001
4		5.25° C	5.20° C	0.050
5		10.04° C	10.10° C	-0.060
6	179000002	-20.06° C	-20.00° C	-0.060
7		-9.84° C	-9.80° C	-0.040
8		0.00° C	0.00° C	-0.001
9		5.25° C	5.20° C	0.050
10		10.14° C	10.10° C	0.040
11	179000003	-20.06° C	-20.10° C	0.040
12		-9.84° C	-9.90° C	0.060
13		0.00° C	0.00° C	0.001
14		5.25° C	5.10° C	0.150
15		10.14° C	10.10° C	0.040
16	179000004	-20.06° C	-19.90° C	-0.160
17		-9.84° C	-9.80° C	-0.040
18		0.00° C	0.10° C	-0.099

3C\TEMP-ULTRA Part#: MA0299 Specifications

Memory EEPROM, Storage: 8k Temperature
 Temperature Range: -29° C to +72° C / -20° F to +160° F
 Temperature Accuracy: ±0.2° C from 0° C to 10° C, ±1.0° C at extremes
 ±0.36° F from 32° F to 50° F, ±1.8° F at extremes
 Temperature resolution 0.1° C / 0.18° F
 Temperature Sensor: Wired chip in glass thermistor
 Measurement Intervals: User programmable from 2 seconds to months.
 High and low alarm limits: LED indicator
 Computer Interface: Mini USB connector (Part#: MA0504), and NFC
 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: 3 years
 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.)
 Options: MaxiThermal2 software, Part#: MA0542
 USB Cable - Part#: MA0504
 NFC protocol-Android App
 Water-resistant: The product package is hermetically sealed to an IP66 rating.
 Ask about our single-use versions.



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