

# MARATHON PRODUCTS

# 3C\TEMP-USB-200C™

*Digital Dual Sensor Thermal Temperature Data Logger for cryogenic industrial and remote monitoring applications.*

The **3C\TEMP-USB -200C** is a reliable and cost-effective digital temperature recorder for all industrial and commercial applications. It has one sensor for ambient range temperatures inside the case, and one external RTD stainless-steel probe that monitors temperatures from -200°C (-328°F) up to +72°C (+161.6°F). It is ideal for monitoring all of your cryogenic stem cells and biologic materials.

These high-precision laboratory-grade products will operate up to 18 months without a battery change. The LCD display provides real time viewing of ambient and remote temperature prior to downloading to a computer.

**Small Form Factor:** The internal firmware is user programmable and provides the following features: start time delay, sampling intervals, high and low alarm window values, recording status, and measurement data.

**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!

**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 MaxiThermal2 software and USB cable are available separately.



#### Temperature Range

Internal Sensor:

-29°C to +72°C

External probe:

-200°C to +72°C

#### Temperature Accuracy:

(NIST-traceable)

±0.5°C at center of range

±1.0°C at extremes

#### Memory EEPROM, Storage

8k per sensor

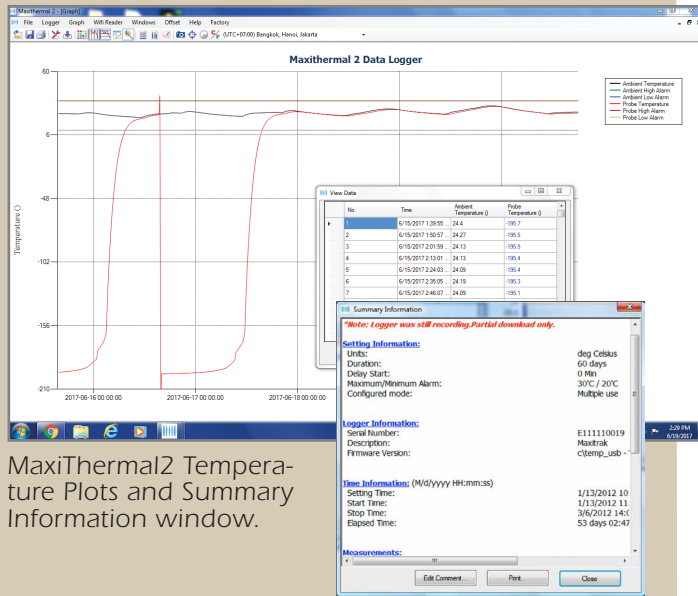
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*Don't ship without us!®*

**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, 8.1 and 10. An Enterprise Software version and 21CFR Part 11 Compliant Software are available.



MaxiThermal2 Temperature Plots and Summary Information window.

### 3CTEMP-USB -200C SPECIFICATIONS SKU #7065

Memory EEPROM, Storage: 8k memory

Internal Sensor: Wired chip in glass thermistor  
 Operating Range: -29°C to +72°C / -20°F to +161°F  
 Accuracy: ±0.3°C from 0° to +10°C / ±1.0°C at extremes  
 (NIST-traceable) ±0.5°F from 32° to +50°F / ±1.8°F at extremes

External Probe: RTD Stainless Steel Tip = 12 cm / 4.75 in.;  
 Flexible Teflon-coated Cable = 61 cm / 24 in.  
 Operating Range: -200°C to +72°C / -328°F to +161.6°F  
 Accuracy: ±0.5°C at 0° to +30°C / ±1.0°C at extremes  
 (NIST-traceable) ±1.0°F at +32° to +86°F / ±1.8°F at extremes

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: 18 month operating life. 3 year shelf life.

Size: Length Width Depth  
 6.5 cm (2.5 in.) 3.4 cm (1.3 in.) 0.9 cm (0.35 in.)

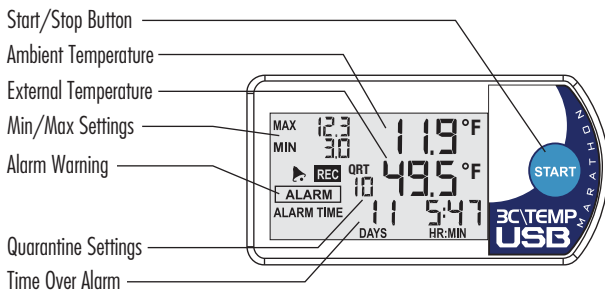
Weight: 33 g (1.16 oz.)

Water-resistant/Splashproof: The product package is hermetically sealed to an IP66 rating.

CE Certified Yes

Warranty: 12 months

Required Accessories: MaxiThermal2 software  
 Standard A to Mini B USB cable



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

**www.marathonproducts.com**

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 Specifications subject to change without prior notice.