

# QUADTEMP2000

## 4 CHANNEL THERMOCOUPLE DATA LOGGER W/LCD



### Features

- Large Backlit LCD
- User-Friendly Front Panel
- Accepts thermocouple types J, K, T, E, R, S, B, N
- High speed downloading
- Onscreen statistics
- External power or user replaceable battery
- Low battery indicator

### Applications

- Monitor multiple points
- Warehouse monitoring
- Refrigerator monitoring
- Medical and Pharmaceutical
- Oven monitoring
- Smoke houses
- Food Processing
- HVAC
- Engine Studies



\*Thermocouple Plugs/Probes Sold Separately

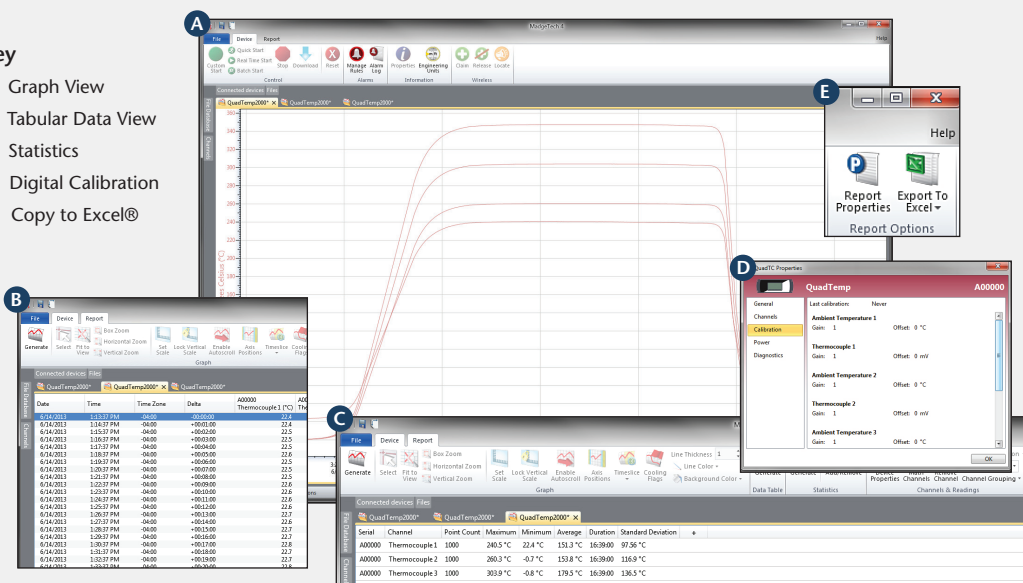
The QuadTemp2000 is a four channel thermocouple data logger with an LCD. The device features onscreen minimum, maximum and average statistics, as well as a user configurable graphics screen that allows for any combination of channels to be displayed. The device accepts J, K, T, E, R, S, B and N type thermocouples.

The QuadTemp2000 is ideal for a variety of applications, whether it is remote temperature monitoring, or multiple points in a central location. Data from all channels is simultaneously logged and displayed onscreen for real-time monitoring. It can then be downloaded to a PC for further analysis.

## MADGETECH DATA LOGGER SOFTWARE

### Key

- A** Graph View
- B** Tabular Data View
- C** Statistics
- D** Digital Calibration
- E** Copy to Excel®



### Software Features:

- Multiple graph overlay
- Statistics
- Digital calibration
- Zoom in/ zoom out
- Lethality equations (F0, PU)
- Mean Kinetic Temperature
- Full time zone support
- Data annotation
- Min./Max./Average lines
- Data table view
- Automatic report generation
- Summary view
- Multilingual

# QUADTEMP2000 SPECIFICATIONS\*

\*SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE. SPECIFIC WARRANTY REMEDY LIMITATIONS APPLY. CALL 1-603-456-2011 OR GO TO [WWW.MADGETECH.COM](http://WWW.MADGETECH.COM) FOR DETAILS.

## 4 Internal Channels

|                         |                                     |
|-------------------------|-------------------------------------|
| Temperature Range:      | -20 °C to +60 °C (-4 °F to +140 °F) |
| Temperature Resolution: | 0.05 °C                             |
| Calibrated Accuracy:    | ±0.5 °C (0 to +50 °C)               |

## 4 Remote Channels

| Remote Channel Thermocouple Types: | J, K, T, E, R, S, B, N               |            |          |
|------------------------------------|--------------------------------------|------------|----------|
| Thermocouple Connection:           | Female subminiature (SMP)            |            |          |
| Cold Junction Compensation:        | Automatic, based on internal channel |            |          |
| Maximum Thermocouple Resistance:   | 1000Ω, <100Ω recommended             |            |          |
| Thermocouple                       | Range (°C)                           | Resolution | Accuracy |
| J                                  | -210 to +760                         | 0.1 °C     | ±0.5 °C  |
| K                                  | -270 to +1370                        | 0.1 °C     | ±0.5 °C  |
| T                                  | -270 to +400                         | 0.1 °C     | ±0.5 °C  |
| E                                  | -270 to +980                         | 0.1 °C     | ±0.5 °C  |
| R                                  | -50 to +1760                         | 0.5 °C     | ±2.0 °C  |
| S                                  | -50 to +1760                         | 0.5 °C     | ±2.0 °C  |
| B                                  | +50 to +1820                         | 0.5 °C     | ±2.0 °C  |
| N                                  | -270 to +1300                        | 0.1 °C     | ±0.5 °C  |

**BATTERY WARNING:** DISCARD USED BATTERY PROMPTLY. KEEP OUT OF REACH OF CHILDREN. DO NOT DISPOSE OF IN FIRE, RECHARGE, PUT IN BACKWARDS, DISASSEMBLE, OR MIX WITH OTHER BATTERY TYPES. MAY EXPLODE, FLAME, OR LEAK AND CAUSE PERSONAL INJURY.

|                        |   |
|------------------------|---|
| Start Modes:           | Software programmable immediate start or delay start up to six months in advance  |
| Real Time Recording:   | May be used with PC to monitor and record data in real time                       |
| Memory:                | 500,000 readings per channel, channels can be disabled to increase memory         |
| Reading Rate:          | 4 readings every second up to 1 reading every 24 hours                            |
| Calibration:           | Digital calibration through software  |
| Calibration Date:      | Automatically recorded within device  |
| Battery Type:          | 9 Volt lithium or alkaline battery included, <b>user replaceable</b>              |
| Battery Life:          | 18 months typical with display off. 3 months typical with continuous display use. |
| Data Format:           | Date and time stamped °C, °F, K, °R, mV, V  |
| Time Accuracy:         | ±1 minute/month   |
| Computer Interface:    | USB (Interface cable required); 115,2000 baud                                     |
| Software:              | XP SP3/Vista/Windows 7/Windows 8  |
| Operating Environment: | -20 °C to +60 °C (-4 °F to +140 °F), 0 %RH to 95 %RH non-condensing               |
| Dimensions:            | 7.24 in x 2.7 in x 1.14 in (183 mm x 68 mm x 29 mm)                               |
| Material:              | Black anodized aluminum   |
| Weight:                | 14.8 oz (420 g)   |
| Approvals:             | CE  |

## ORDERING INFORMATION

| MODEL                   | DESCRIPTION                                       |
|-------------------------|---|
| QUADTEMP2000            | 4 Channel Thermocouple Recorder                   |
| IFC200                  | Software, manual and USB interface cable          |
| Calibration Certificate | Calibration Certificate available for data logger |
| U9VL-J                  | Replacement battery for QuadTemp2000              |

For Quantity Discounts call 603-456-2011 or email [sales@madgetech.com](mailto:sales@madgetech.com)

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LOGGERS

Temperature  
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Shock  
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Pulse/Event/State  
Current  
Voltage  
Wireless  
Intrinsically Safe  
Spectral Vibration  
Motion