



# TCTEMP2000 SPECIFICATIONS\*

**Internal Channel**  
**Temperature Range:** -20 to +60°C  
**Temperature Resolution:** 0.1°C  
**Calibrated Accuracy:** ±0.5°C (0 to +50°C)  
**Thermocouple Channel**  
**Thermocouple Types:** J, K, T, E, R, S, B, N  
**Thermocouple connection:** Female subminiature (SMP), fixed screw terminal, or pluggable screw terminal  
**Cold Junction Compensation:** Automatic, based on internal channel  
**Maximum Thermocouple Resistance:** 1000Ω, <100Ω recommended  
**\*\*Thermocouple Type:**

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

## DOT-MATRIX LCD

**Dimensions:** 2.5" x 1.375" (63mm x 35mm)  
**Text:** Configurable channel text size  
**Indicators:** Power, status, memory  
**Backlight:** Configurable w/auto shut-off and contrast adjustment

## SOFTWARE FEATURES

<b>Multiple Graphs:</b> Simultaneously analyze data from several units or deployments; easily switch to a single data series	<b>Statistics:</b> Automatically calculate averages, min, max, standard deviation, and mean kinetic temperature.
<b>Real-Time Recording:</b> Collect and display data in real-time while continuing to log	<b>Export Data:</b> Export data in a variety of common formats, or switch to Excel® with a single click
<b>Graphical Cursor:</b> One click displays readings by time, value, parameter or sample number	<b>Calibration:</b> Automatically calculate and store calibration parameters
<b>Data Table:</b> Instantly access tabular view for detailed dates, times, values, and annotations	<b>Logger Configuration:</b> Easy set up and launch of data loggers with immediate or delayed start, preferred sample rate, and device ID
<b>Scaling Options:</b> Autoscale function fits data to the screen, or allows user to manually enter their own values	<b>Communications:</b> Automatically sets up communications port, or lets user select configuration
<b>Formatting Options:</b> Change colors, line styles, plotting options, show or hide channels quickly	<b>Printing:</b> Automatically print graphical or tabular data

\*SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE. SPECIFIC WARRANTY AND REMEDY LIMITATIONS APPLY. CALL 1-603-456-2011 OR GO TO WWW.MADGETECH.COM FOR DETAILS.

## ORDERING INFORMATION

Model	Description	Price (U.S.)
TCTemp2000	Thermocouple temperature recorder w/LCD Display	\$499.00
IFC110	Software, manual and RS232 interface cable	\$99.00
IFC200	Software, manual and USB interface cable	\$119.00
NIST	N.I.S.T. Calibration Certificate	Call for Pricing
U9VL-J	Replacement battery for TCTemp2000	\$15.00
DC9V-NA	9 Volt AC wall mounted Adapter (North American version)	\$13.00
DC9V-EU	9 Volt AC wall mounted Adapter (European version)	\$13.00

### ASK ABOUT OUR OTHER DATA RECORDERS

Temperature	Pulse/Event/State
Humidity	Low Level Current
Pressure	Low Level Voltage
pH	RF Transmitters
Level	Intrinsically Safe
Shock	Spectral Vibration



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