QUADTCTEMPV2
4-CHANNEL THERMOCOUPLE DATA LOGGER

QuadTCTempV2
4-Channel Thermocouple
Temperature
Data Logger

CHANNELS

Thermocouple Types:
J,K,T,E,R,S,B,N

TC1 TC2 TC3 TC4

*Thermocouple Plugs/Probes
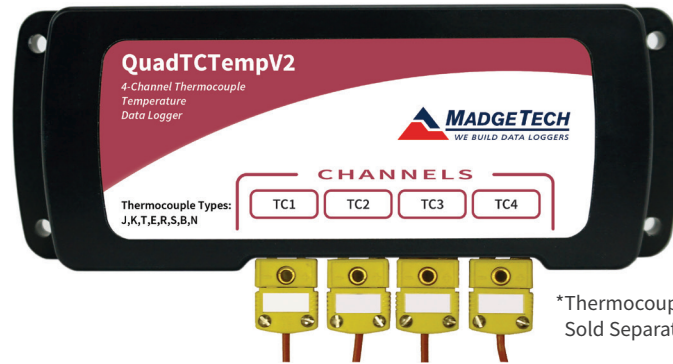Sold Separately

Features
- Up to 4 Hz Reading Rate
- 261,888 Readings Per Channel
- Open Channel Detection
- Title Channels
- Accepts Thermocouple Types
  J, K, T, E, R, S, B, N
- External Power or User
  Replaceable Battery
- Pushbutton or Programmable Start
- Calibration Certificate included

Benefits
- Simple Setup and Installation
- Minimal Long-Term Maintenance
- Long-Term Field Deployment

Applications
- Warehouse Monitoring
- Refrigerator Monitoring
- Medical and Pharmaceutical
- Oven Monitoring
- Smoke Houses
- Food Processing
- HVAC
- Engine Studies

The QuadTCTempV2 is a 4-channel thermocouple data logger with a reading rate of up to 4 Hz. It can measure and record 261,888 readings per channel. To maximize memory capacity, users can enable or disable channels. For easy identification, each channel can be named with up to a ten digit title.
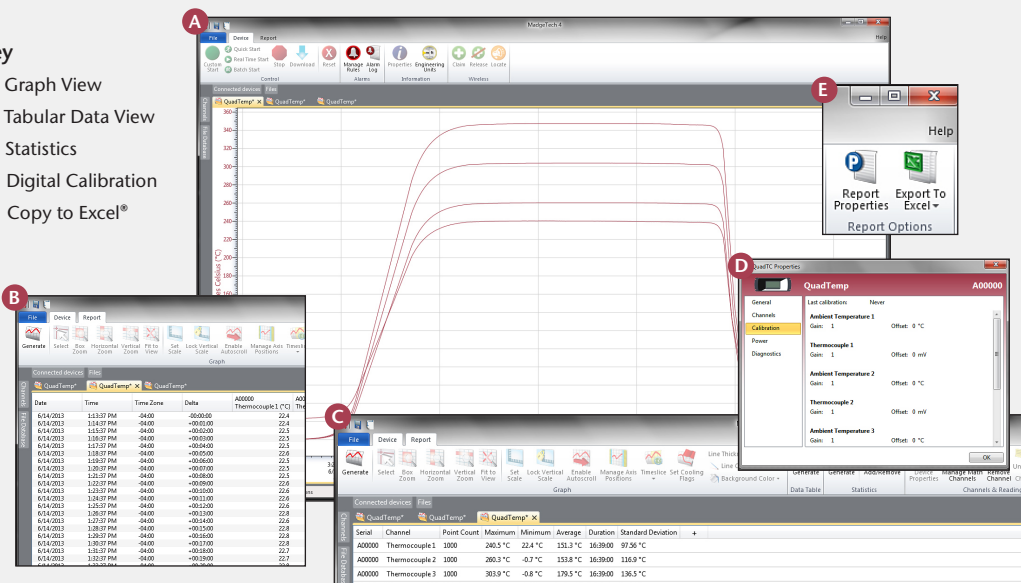
In addition, the QuadTCTempV2 features individual cold junction compensation for each channel providing increased accuracy and response time, and if a probe is removed or severed during logging, the software automatically annotates the data.

The QuadTCTempV2 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. After the monitoring cycle is complete, data can be downloaded for 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

QUADTCTEMPV2 SPECIFICATIONS*

4 Internal Channels

Temperature Range:	-20 °C to +60 °C (-4 °F to +140 °F)
Temperature Resolution:	0.01 °C (0.018 °F)
Calibrated Accuracy:	±0.5 °C (0 °C 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:	1000 Ω, <100 Ω 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

Start Modes:	Software programmable immediate start or delay start up to six months in advance

**Thermocouple accuracy is specified with a 24 AWG.

Real Time Recording:	May be used with PC to monitor and record data in real time
Memory: (all 4 channels enabled)	261,887 readings per channel
Reading Rate:	4 Hz 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, **user replaceable**
Battery Life:	18 months typical
Data Format:	Date and time stamped °C, °F, K, °R, mV, V
Time Accuracy:	±1 minute/month
Computer Interface:	USB (Interface cable required); 115,200 baud
Software:	Windows XP SP3 or later MadgeTech 4 software, version 4.2.12.0 or later
Operating Environment:	-20°C to +60°C (-4 °F to +140 °F), 0 %RH to 95 %RH non-condensing
Dimensions:	2.7 in x 7.2 in x 1.0 in (69 mm x 184 mm x 26 mm)
Material:	Black anodized aluminum
Weight:	15 oz (420 g)
Approvals:	CE

BATTERY WARNING: BATTERY MAY LEAK, FLAME OR EXPLODE IF DISASSEMBLED, SHORTED, CHARGED, CONNECTED TOGETHER, MIXED WITH USED OR OTHER BATTERIES, EXPOSED TO FIRE OR HIGH TEMPERATURE. DISCARD USED BATTERY PROMPTLY. KEEP OUT OF REACH OF CHILDREN.

ORDERING INFORMATION

MODEL	PART NUMBER	DESCRIPTION
QUADTCTEMPV2	902086-00	4-Channel Thermocouple Data Logger
IFC200	900298-00	Software, manual and USB interface cable
U9VL-J	901804-00	Replacement battery for QuadTemp

ASK ABOUT OUR OTHER DATA LOGGERS

Temperature
Humidity
Pressure
pH
Level
Shock
LCD Display
Pulse/Event/State
Current
Voltage
Wireless
Intrinsically Safe
Spectral Vibration
Motion

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