QUADTEMP
4 CHANNEL THERMOCOUPLE DATA LOGGER

MADGETECH
WE BUILD DATA LOGGERS

Features
- 4 Hz Reading Rate
- 500,000 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

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

*Thermocouple Plugs/Probes Sold Separately

The QuadTemp is a four channel thermocouple data logger with a reading rate of up to 4 Hz. It can measure and record 500,000 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.
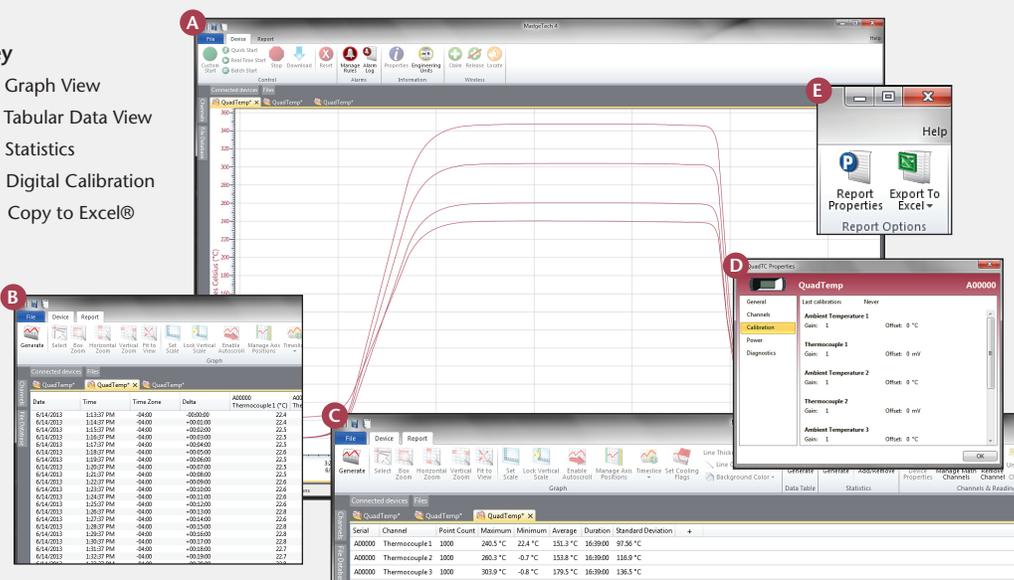
In addition, the QuadTemp features individual cold junction compensation for each channel providing increased accuracy and response time, and if a probe is removed or severed during logging, the software automatically annotates the data.

The QuadTemp 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

QUADTEMP SPECIFICATIONS*

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:	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

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, **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:	XP SP3/Vista/Windows 7/Windows 8 (MadgeTech 4 only)
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 1.02 in (183 mm x 68 mm x 26 mm)
Material:	Black anodized aluminum
Weight:	15.2 oz (430g)
Approvals:	CE

BATTERY WARNING: FIRE, EXPLOSION, AND SEVERE BURN HAZARD. DO NOT SHORT CIRCUIT, CHARGE, FORCE OVER DISCHARGE, CRUSH, PENETRATE, OR INCINERATE. BATTERY MAY LEAK OR EXPLODE IF HEATED ABOVE 80 °C (176 °F).

ORDERING INFORMATION

MODEL	DESCRIPTION
QUADTEMP	4 Channel Thermocouple Recorder
IFC200	Software, manual and USB interface cable
Calibration Certificate	Calibration Certificate available for data logger
U9VL-J	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