

OCTTEMP

8 CHANNEL THERMOCOUPLE DATA LOGGER



Features

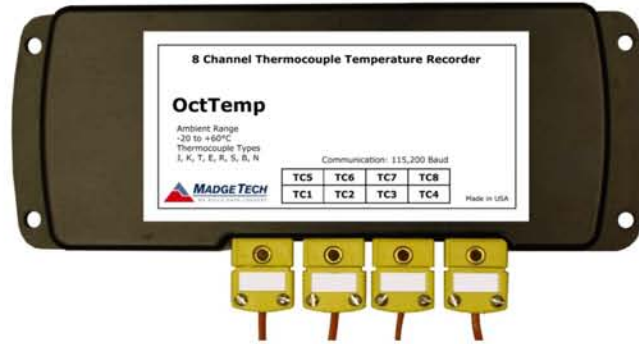
- 4Hz Reading Rate
- 500,000 Readings per Channel
- Open Channel Detection
- Title Channels
- Accepts Thermocouple Types J, K, T, E, R, S, B, N
- External Power or User Replaceable Battery
- Pushbutton or Programmable Start

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



The OctTemp is an eight channel thermocouple data logger with a reading rate of up to 4Hz. 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.

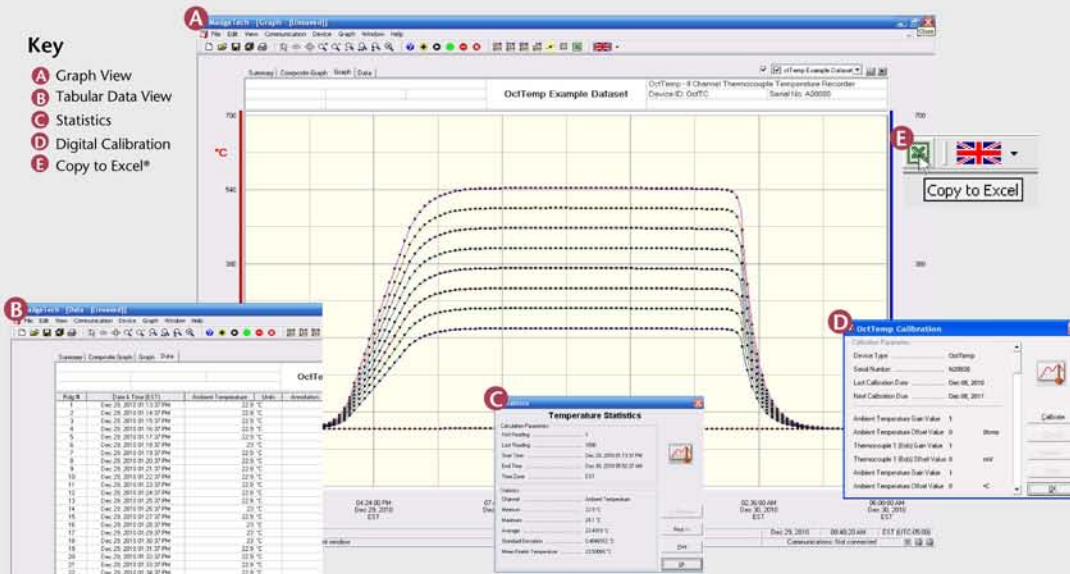
In addition, the OctTemp features individual cold junction compensation for each channel providing increased accuracy and response time, and if a probe is removed or severed during logging, the software automatically annotates the data.

The OctTemp 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.

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 (F_0 , PU)
- Mean Kinetic Temperature
- Full time zone support
- Data annotation
- Min./Max./Average lines
- Data table view
- Automatic report generation
- Summary view
- Multilingual

OCTTEMP SPECIFICATIONS*

Internal Channel

Temperature Range: -20 to +60°C

Temperature Resolution: 0.05°C

Calibrated Accuracy: ±0.5°C (0 to +50°C)

8 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	-260 to +1370	0.1 °C	±0.5 °C
T	-260 to +400	0.1 °C	±0.5 °C
E	-260 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	+60 to +1820	0.5 °C	±2.0 °C
N	-260 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 per second up to 1 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

Operating Environment: -20 to +60°C, 0 to 95%RH non-condensing

Dimensions: 7.24" x 2.7" x 1.26" (183mm x 68mm x 32mm)

Material: Black anodized aluminum

Weight: 17.3 oz (490 g)

Approvals: CE

BATTERY WARNING: 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).

*SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE. SPECIFIC WARRANTY REMEDY LIMITATIONS APPLY.

ORDERING INFORMATION

MODEL	DESCRIPTION
OCTTEMP	8 Channel Thermocouple Recorder
IFC200	Software, manual and USB interface cable
*N.I.S.T.	N.I.S.T. Calibration Certificate

PTC Metrology™ is accredited by A2LA to ISO/IEC 17025 and ANSI/NCSL Z5401 N.I.S.T. traceable certificate available. For information go to www.ptcmetrology.com
To order by phone, call toll free 1+ 877.782.2329 or email: sales@ptc1.com
Order on-line www.ptcinstruments.com or www.ptc1.com

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