



The OctTemp is a miniature, battery powered, stand alone, 8 channel thermocouple based temperature data logger. This is an all-in-one compact, portable, easy to use device that will measure and record up to 14,563 measurements per channel. The storage medium is non-volatile solid state memory, providing maximum data security even if the battery becomes discharged.



OctTemp - 8 Channel Thermocouple Based Temperature Recorder

Features:

- N.I.S.T Traceable
- User friendly
- Miniature size
- Eight channels
- Rugged design
- Programmable start time
- Real-time operation
- Low cost

Applications:

- Extreme temperature monitoring
- Warehouse monitoring
- Oven profiling
- HVAC
- Environmental studies
- Museum monitoring
- Implement HACCP programs
- Replace costly strip chart recorders

Specifications:

Internal Channel Temperature Range	-40 °C to +80 °C
Temperature Resolution	0.1 °C
Calibrated Accuracy	±0.5 °C @ 25 °C
8 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
Visual Indicator	LED blinks at selected reading rate to indicate device operation
Start Time	Software programmable start time. Up to six months in advance.
Real-time Recording	May be used with PC to monitor and record data in real time
Reading Interval	1 reading every 5 seconds to one reading every 12 hours
Memory	26,214 readings per channel
Calibration	Digital calibration through software
Calibration Date	Automatically recorded within device
Power	9V lithium battery included
User Replaceable Battery	1 year typical
Data Format	Date and time stamped °C, °F, °K, °R; V, mV, µV
Time Accuracy	±1 minute/month (at 20 °C, RS232 port not in use)
Computer Interface	PC serial or RS232C COM (interface cable required); 2,400 baud
Software	Windows 95/98/NT/ME/2000/XP based software
Operating Environment	-40 °C to +80 °C, 0 to 95 %RH non-condensing
Dimensions	3.5" x 4.4" x 1.5" (89mm x 111mm x 37mm)
Weight	17 oz (480 g)

OCTTEMP SPECIFICATIONS

Internal Channel

Temperature Range: -40 °C to +80 °C

Temperature Resolution: 0.1 °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

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 Time: Software programmable start time and date up to six months in advance

Real Time Recording: May be used with PC to monitor and record data in real time

Memory: 14,563 readings per channel

Reading Interval: 1 reading every 5 seconds to 1 every 12 hours

Calibration: Digital calibration through software

Calibration Date: Automatically recorded within device

Power: 9 Volt lithium or alkaline battery included

***User Replaceable Battery:** 1 year typical

Data Format: Date and time stamped °C, °F, °K, °R

Time Accuracy: ±1 minute/month (at 20 °C, RS232 port not in use)

Computer Interface: PC serial or RS232C COM (interface cable required); 2,400 baud

Software: Windows 95/98/ME/NT/2000/XP based software

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OCTTEMP SOFTWARE FEATURES

Multiple Graphs: Simultaneously analyze data from several units or deployments; easily switch to a single data series

Real-Time Recording: Collect and display data in real-time while continuing to log

Graphical Cursor: One click displays readings by time, value, parameter or sample number

Data Table: Instantly access tabular view for detailed dates, times, values, and annotations

Scaling Options: Autoscale function fits data to the screen, or allows user to manually enter their own values

Formatting Options: Change colors, line styles, plotting options, show or hide channels in an instant

Statistics: Calculate averages, min, max, standard deviation, and mean kinetic temperature with the touch of a button

Export Data: Export data in a variety of common formats, or switch to Excel with a single click

Calibration: Fully digital calibration function automatically stores parameters in device

Logger Configuration: Easy set up and launch of data loggers with immediate or delayed start, preferred sample rate, and device ID

Communications: Automatically sets up communications port, or lets user set configuration

Printing: Automatically print graphical or tabular data

ORDERING INFORMATION

Model	Description
OCTTEMP	8 Channel Thermocouple Recorder
IFC101	Software, manual and 9-pin computer interface cable
N.I.S.T. Cert	N.I.S.T. Calibration Certificate

ASK ABOUT OUR OTHER DATA LOGGERS

Temperature	pH
Humidity	Level
Pressure	Shock/Vibration
Bridge/Strain	Submersible
Current	Intrinsically Safe
Pulse/Event	RF Transmitters
Voltage	Multi-parameter