



Temp110 - Miniature Temperature Recorder - 10 Year Battery Life

The Temp110 is a miniature, battery powered, stand alone temperature data logger with improved battery life and featuring high speed download. This is an all-in-one compact, portable, easy to use device that will measure and record up to 32,767 measurements. The storage medium is non-volatile solid state memory, providing maximum data security even if the battery becomes discharged.



Features:

- 10 year battery life
- High speed download
- N.I.S.T Traceable
- User friendly
- Miniature size
- Programmable alarm
- Programmable start time
- Real-time operation
- Reusable

Applications:

- Implement HACCP programs
- Cold chain monitoring
- Warehouse monitoring
- HVAC
- Environmental studies
- Medical/Pharmaceutical shipment verification
- Replace costly strip chart recorders

Specifications:

Temperature Sensor	Semiconductor
Temperature Range	-40 °C to +80 °C
Temperature Resolution	0.1 °C
Calibrated Accuracy	±0.5 °C (0 to +50 °C)
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 2 seconds to one reading every 12 hours
Memory	32,767 readings
Calibration	Digital calibration through software
Calibration Date	Automatically recorded within device
Power	3.6V lithium battery included
User Replaceable Battery	10 years (15 minute reading rate, 25 °C)
Data Format	Date and time stamped °C, °F, °K, °R
Time Accuracy	±1 minute/month (at 20 °C to 30 °C)
Computer Interface	PC serial or RS232C COM (interface cable required); 57,600 baud
Software	Windows 95/98/NT/ME/2000/XP based software
Operating Environment	-40 °C to +80 °C, 5 to 95 %RH non-condensing
Dimensions	1.7" x 2.3" x 0.8" (42mm x 59mm x 20mm)
Weight	2 oz (60 g)

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SOFTWARE FEATURES

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

ORDERING INFORMATION

Model	Description
TEMP110	Temperature Recorder
IFC110	Software, manual and 9-pin computer interface cable
N.I.S.T. Cert	N.I.S.T. Calibration Certificate

ASK ABOUT OUR OTHER DATA RECORDERS

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