



## TempRetriever - Low Cost Miniature Temperature Recorder

The TempRetriever is a miniature, battery powered, stand alone temperature data logger. This is an all-in-one compact, portable, easy to use device that will measure and record up to 16,383 measurements. The storage medium is non-volatile solid state memory, providing maximum data security even if the battery becomes discharged.



### Features:

- Extremely low cost
- User friendly
- Miniature size
- User selectable high/low alarm
- Programmable start time
- Reusable
- Extensive temperature range

### Applications:

- Implement HACCP programs
- Cold chain monitoring
- Verify products are stored and shipped at safe temperatures
- Monitor refrigerated cars
- Medical/Pharmaceutical shipment verification
- Replace costly strip chart recorders

### Specifications:

<b>Temperature Sensor</b>	Semiconductor
<b>Temperature Range</b>	-40 C to +80 C
<b>Temperature Resolution</b>	0.5 C
<b>Calibrated Accuracy</b>	1.0 C (0 to +50 C)
<b>Visual Indicator</b>	LED blinks to indicate device operation
<b>Alarm Function</b>	Programmable high and low limits; Alarm is activated when temperature reaches or exceeds set limits.
<b>Alarm Indicator</b>	LED flashes in one second intervals to indicate an alarm condition exists
<b>Start Time</b>	Software programmable start time. Up to six months in advance.
<b>Real-time Recording</b>	May be used with PC to monitor and record data in real time
<b>Reading Interval</b>	1 reading every 2 seconds to one reading every 12 hours
<b>Memory</b>	16,383 readings
<b>Calibration</b>	Digital calibration through software
<b>Calibration Date</b>	Automatically recorded within device
<b>Power</b>	3.6V lithium battery included
<b>User Replaceable Battery</b>	2 years typical life
<b>Data Format</b>	Date and time stamped C, F, K, R
<b>Time Accuracy</b>	1 minute/month (at 20 C, RS232 port not in use)
<b>Computer Interface</b>	PC serial or RS232C COM (interface cable required); 2,400 baud
<b>Software</b>	Windows 95/98/NT/ME/2000/XP based software
<b>Operating Environment</b>	-40 C to +80 C, 5 to 95 %RH non-condensing
<b>Dimensions</b>	1.4" x 2.2" x 0.6" (36mm x 56mm x 16mm)
<b>Weight</b>	1 oz (30 g)