



# TEMP-CHECK Rapid Response Thermometer



## *FEATURING:*

- *Non-invasive temperature verification device*
- *Easy to read alphanumeric LCD display*
- *Accurate temperature reading within 10 seconds*
- *Wide -40°C to +40°C temperature range*
- *Optional battery back-up capability for easy portability*

The Temp-Check (Model TC-3) thermometer determines the temperature of small bags or containers in seconds. Designed for hospital or laboratories, it measures the temperature of plasma, red blood cells, cryo precipitate or other materials that are placed on the sensing pad. This non-invasive device allows personnel to determine if blood or plasma is at the right temperature for transfusion, or if it is safe to refreeze at the blood bank.

The Temp-Check thermometer uses a fast acting Type K thermocouple within an insulated pad to measure a temperature range of -40°C to +40°C with an accuracy of  $\pm 2^{\circ}\text{C}$ . The unit is extremely simple to operate. Simply plug it into any standard 120v electrical outlet and place the item to be checked on the center of the sensing pad.

Readout response is rapid, typically within 10 seconds for temperatures above zero, and within 20 seconds for lower temperatures.

For easy portability, use the Temp-Check with the battery option. This unit includes a built-in NiMH battery with a trickle charger. When the battery is fully charged, it will run the unit for about 12 hours. To recharge the battery, simply plug the unit into an electrical outlet.

*Custom programming and packaging can be provided  
to fit most temperature monitoring tasks.*

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**Power Requirements:**

12 volts DC  
 (120VAC, UL listed supply is standard)  
 (220v optional)  
 NOTE: Do not allow line voltage to drop below  
 100VAC

**Battery Option:**

7-cell NiMH battery, standard 9V size

**Charger:**

2 ma trickle charger, built in as part of  
 battery option

**Standard Sensor:**

Type "K" thermocouple

**Temperature Ranges:**

-40°C to +40°C  
 Other ranges available per special order

**Resolution:**

1°C

**Accuracy:**

+/-2°C

**Mechanical:**

Black bakelite case with Plexiglass base,  
 10" long x 6" wide x 4-3/8" high

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*There is a one-year warranty on all Hampshire Controls products.*

*Hampshire Controls Corp. is a Woman Owned Small Business*

***About Our Company***

Started in 1975, Hampshire Controls provides standard and custom designed electronics to the biomedical and industrial markets. In addition to the Temp-Check, other products include:

- Model TS4 4-Point Temperature Monitor
- Model LD-200 LN2 Level Detector/Alarm
- CO2 Backup Control/Alarm for Freezers
- Isolated Input Line Voltage Controls
- Multipoint Central Monitoring System (CMS-II)
- Dataplex-32 Multipoint Monitor/Logger
- Custom Microprocessor Assemblies
- Model ADM Alarm Delay Module
- Regulated Output Phase Control
- Custom AC Motor Phase Controls
- Model AFM Air Flow Monitor
- Model 140 Single Probe Temperature Monitor

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