

# CHILLCORE™ CASE

The Therapeutic Hypothermia Induction Case  
OWNERS MANUAL & WARRANTY INFORMATION



PATENT # 8061149



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# CHILLCORE™ CASE

## Presentation Overview

- Basic Components
- Getting Started
- Adjusting Internal Temperature
- Ambient Air Reading
- Smart Sensor
- Power & Performance Analysis
- Settings Screen
- Control Panel Review
- ChillCore Warranty Information



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# BASIC COMPONENTS



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# GETTING STARTED

Plugging it in.

Plug the unit in using either 110 or 12V power.



On/Off Switch

Power Plug In



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# GETTING STARTED

## Cold Plate

Place your pre-chilled items into the case. All liquids to be chilled must be in contact with the cold plate.



Ensure the base is not overstuffed. Items that protrude over the black neoprene seal will interfere with the proper sealing of the case and will not allow the cooling chamber to achieve an adequate seal.



Cold Plate



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# GETTING STARTED

## Cold Plate

Each ChillCore Case includes an insulated pressure-infused 1000mL IV bag. This bag allows solution to remain cool during rapid infusion.

When storing the pre-filled pressure infused bag in the cooling chamber, be sure to expose the internal fluid bag prior to placing it next to the cold plate. Cooling of the IV fluids will not be as effective if the IV bags are not placed directly against the cold plate.



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# ADJUSTING TEMPERATURE

Control Panel Display

**NOTE:** When the ChillCore Case is turned on, it will begin cooling (or warming) to the factory set default temperature of 35 degrees F. The default temperature can be adjusted by the end user.

To adjust temperature, simultaneously hold down the pre-set button and push desired temperature button either higher or lower.



**NOTE:** Your ChillCore case will maintain your desired temperature +/- 1.5 degrees to 60 degrees off surrounding temperature.



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# AMBIENT AIR READING

Control Panel Display

The ChillCore Case will take a continuous reading of the surrounding air temperatures.

Pressing the AMBIENT button on the control panel will display the ambient air temperature.



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# SMART SENSOR

Your ChillCore Case is equipped with a smart sensor that will determine the difference between the interior and exterior air temperatures and adjust the internal temperature accordingly.

If the case is taken into a warmer or colder environment, the smart sensor will automatically sense the change in the exterior air temperature and turn on at 25% power to compensate for the exterior air temperature change.



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# POWER & PERFORMANCE ANALYSIS

To access the Power & Performance Analysis screen, push the "BATTERY LEVEL" and "AMBIENT" arrows simultaneously and the display will switch to power mode.

To toggle through the power mode use the "UP" & "DOWN" buttons.

Press the "BATTERY LEVEL" button to exit.



This screen displays important data such as the unloaded and loaded power currently being delivered to the case, actual battery voltage, heat sink temperature as well as current case activity mode (cooling, heating or idle).



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# SETTINGS SCREEN

To access the Settings screen, press "Battery Level" button for 3 seconds. The screen allows the end user to toggle the case between Celsius and Fahrenheit and to adjust the factory pre-set temperature.

It also allows the end user to set a minimum power threshold limit, whereby the case will turn itself off if the vehicle's battery drops below the set level.



The minimum power threshold limit prevents the vehicle's battery from being drained too low, thereby ensuring that there is always enough battery power to start the vehicle.

To change any of these settings in the diagnostic screen, press the AMBIENT or PRESET button to toggle between lines. Press the UP or Down arrows to adjust these settings to desired preferences.



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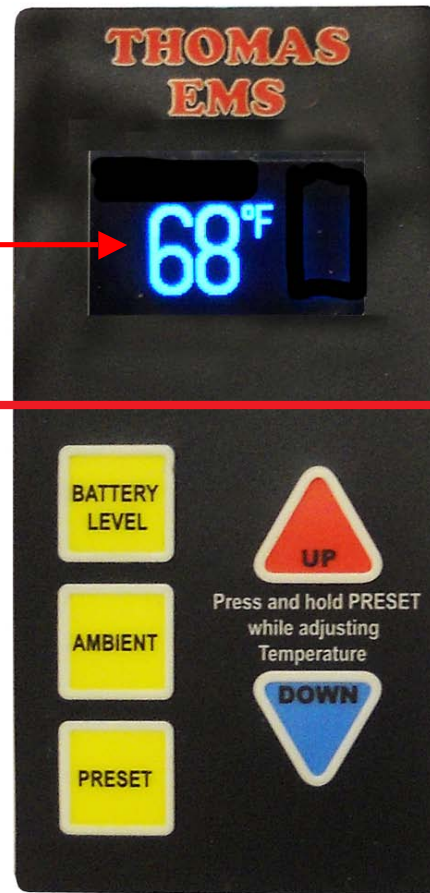
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# CONTROL PANEL REVIEW

## Main Panel

Internal Chamber Temperature  
Or Ambient Air Temperature



See "HOW TO" section for instructions  
on panel buttons.



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# HOW TO:

View AMBIENT air temperature reading:



Press the AMBIENT button

Adjust the internal temperature:



While holding down the PRESET button



Use the UP or DOWN buttons to adjust temperature

Check External Power:



Press the AMBIENT & BATTERY LEVEL buttons simultaneously.



Press the BATTERY LEVEL Button to return to main screen.



Use the UP or DOWN buttons to toggle through power mode



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# HOW TO:

## Access Power & Performance Screen:



Press the AMBIENT & BATTERY LEVEL buttons simultaneously.



Press the BATTERY LEVEL Button to return to main screen.

## Access Settings Screen:



Press the BATTERY LEVEL button.



Press the BATTERY LEVEL Button to return to main screen.



Use the UP or DOWN buttons to toggle through power mode



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# SAFETY INFORMATION



Allow airflow around exterior fan area - blocking airflow will slow cooling or heating.



When operating from a vehicle battery, make sure you start your engine after 3 to 4 hours of operation to recharge the vehicle battery.



Do not allow moisture to enter exterior fan ports.



Never allow the ChillCore Case to be immersed in water or other liquid. This will void the warranty.



To reduce the risk of damage to the DC plug and cord, pull by DC plug rather than cord when disconnecting.



ChillCore case is intended for use with a 110 volt or 12 volt DC power source that can provide at least 10 amperes of current. Do not attempt to use with any other power source.



DO NOT operate your ChillCore case in an enclosed space. ALWAYS ensure that there is adequate ventilation and free flow of air around the unit, so that air expelled by the fan is effectively dissipated.



When operating your ChillCore case in cab of vehicle, adequate ventilation must be provided by an air conditioning system or window.



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# CHILLCORE WARRANTY

## **ChillCore Case Warranty**

Thomas EMS, LLC warrants that for a period of 1 (one) year from the date of purchase, this product will be free from defects in material and workmanship. Thomas EMS, at its option, will repair or replace this product or any component of the product found to be defective during the warranty period. Replacement will be made with a new or remanufactured product or component.

This warranty does not cover normal wear of parts or damage resulting from any of the following: negligent use or misuse of the product, use on improper voltage or current, disassembly, repair or alteration by anyone other than Thomas EMS. Further, the warranty does not cover: Acts of God, such as fire, flood, hurricanes and tornadoes.

Thomas EMS shall not be liable for any damages of any kind resulting from the purchase, use or misuse of, or inability to use the product including incidental, special, consequential or similar damages or loss of profits, or for any breach of contract, fundamental or otherwise, or for any claim brought against purchaser by any other party regardless of their kind and nature.

NON-TRANSFERABLE



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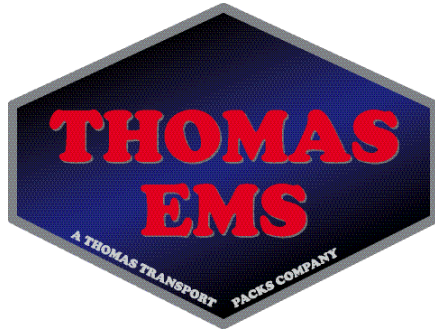
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# COMPANY INFORMATION



**Thomas EMS**  
PO Box 651305  
Salt Lake City, Utah 84165  
(800) 445-3640  
(801) 262-6503  
Fax (801) 268-9272  
Email us @ [info@thomasems.com](mailto:info@thomasems.com)  
[www.thomasems.com/chillcore.html](http://www.thomasems.com/chillcore.html)



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