

# Brammi

Therapeutic Hypothermia System



## BRAMMI OVERVIEW



The Horizon Brammi is a compact thermoregulation device which has been designed to achieve precise temperature control in neonatal patients. It incorporates different modes to suit clinical management, including a fully automated, servo-controlled function to deliver moderate hypothermia followed by controlled slow rewarming, all of which is fully configurable.

The front panel houses a responsive touchscreen display offering an intuitive interface for operation, including step-by-step instructions for filling and draining the system. It features a back-up battery enabling up to 1 hr of use in the event of power interruption.

## MODES OF OPERATION



### SERVO-CONTROLLED MODE:

Automatically adjusts the mattress temperature to maintain the set target core temperature using precise servo control



### MATTRESS MODE:

Keeps the mattress temperature steady, regardless of any changes in the neonate's core temperature



### COOLING MODE:

Delivers servo-controlled cooling to reduce the neonate's body temperature to a set target



### WARMING MODE:

Delivers servo-controlled warming to increase the neonate's body temperature to a set target

## OPERATING MODES AND TEMPERATURE SETTINGS

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Mode	Setting Parameter	Range / Duration
Servo-controlled (cooling & rewarming) mode	Target core temperature	32 °C – 35 °C
	Cooling phase duration	1 – 100 hours
	Final core temperature	36 °C – 39 °C
	Warming phase duration	Dynamically adjusted (up to 24 hours)
Mattress-controlled (non-servo) mode	Mattress temperature	12 °C – 39 °C
	Time duration	1 – 100 hours
Cooling mode	Target core temperature	32 °C – 35 °C
	Cooling phase duration	1 – 100 hours
Warming mode	Target core temperature	36 °C – 39 °C
	Warming phase duration	Dynamically adjusted (up to 24 hours)

## TECHNICAL DATA & COMPLIANCE

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Parameter	Specification
Overall dimensions (head unit)	400 mm (L) × 310 mm (W) × 220 mm (H)
Head unit weight (empty)	10.0 kg
Total device weight (with trolley & accessories)	26.0 kg
Safe working load	30 kg
Trolley footprint (with castors)	725 mm (L) × 630 mm (W) × 180 mm (D)
Trolley weight (without head unit)	11.5 kg
Trolley height (without head unit)	910 mm
Total height (with head unit)	1 135 mm
Castors	Four × 4" castors with individual locks
Handle thickness	5 mm
Pillar dimension	120 mm (L) × 80 mm (W) × 750 mm (H)
Base thickness	60 mm
Ground clearance	120 mm
Accessories weight (with packaging)	4.0 kg
Air filter	97.5 mm (L) × 91 mm (W)
Display	7" TFT touchscreen (154 mm W × 92 mm H active area)

## INTUITIVE & USER FRIENDLY SCREEN

The Horizon Brammi's user interface is designed to be simple, intuitive, and easy to follow. The responsive touchscreen enables desired settings to be adjusted even during use. Users can see real-time temperature trends clearly displayed.



# CONNECTIVITY FOR DATA TRANSFER

## Data Storage Capacity

- The Horizon Brammi can store data for up to 10 babies.
- Once the limit is reached, the oldest recorded patient data will be automatically erased to accommodate new entries.
- All stored data can be exported in .csv format for review, documentation, and external analysis.

## Recorded Data Includes:

- Set Temperature, Core Temperature, Skin Temperature, and Mattress Temperature
- Mode and Therapy Duration
- Alarms and Patient's Name (optional)



# INTELLIGENT ALARM SYSTEM

The Horizon Brammi is equipped with an alarm system to ensure patient safety, featuring both critical and non-critical alarms. These include visual and audible alerts for body temperature, mattress temperature, temperature probe failure or displacement, and technical issues such as hardware or software failure.

For added convenience, all triggered alarms can be viewed on-screen and seamlessly exported to a USB drive for clinical review and documentation.



Baby temp too low/high



Temperature probe failure/displacement



Mattress temp too low/high



System failure



# ABOUT HORIZON

Horizon Med Tech is a clinically-led British manufacturing and distribution medical technology business. Our global mission is to enhance clinical outcomes, deliver quality and improve knowledge.

## CONTACT INFORMATION

### Manufacturer

Phoenix Medical Systems (P) Ltd.

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