

## **Technical Specifications - Bempu Hypothermia Device**

### **Product Description:**

The Bempu Hypothermia Monitoring Device continuously monitors a newborn for hypothermia. If hypothermic for 5 minutes, the device sounds an alarm and blinks an orange light to alert the caretaker that the newborn is cold, and to warm the baby. Once baby is warm, the device returns to blinking a blue light every 30 seconds implying normothermia.

### **Technical Specifications:**

- Intended User: Newborns weighing 0.8 - 3.3 Kg
- Package Dimension: 110mm X 27mm
- Band Weight: 9gm
- LED Indications: Blue, Orange, and White
- Alarm Volume Range: 70dB - 85dB
- Device Life: 1 month
- Operating voltage: 2.8-3.3V DC
- Power source: 2 x CR-1620 Coin Battery (2 x 70mAH)



### **Material Safety:**

<b>Component</b>	<b>Material Specifications</b>
Silicone Band	100% hypo-allergenic medical-grade silicone material biocompatible as per ISO-10993 standard
Thermistor Metal Cup	Stainless Steel SS-316 Same as that used in medical devices such as temperature-sensor probes found in NICUs
Plastic Casing	Food Grade ABS (100% non-toxic)

### **Indication States:**

<b>State</b>	<b>Alert</b>
Normothermia	Blue light blinks 1x every 30 seconds No sound alarm
Hypothermia	Orange light blinks 1x every 5 seconds Sound alarm alerts for 1 minute and repeats every 5-15 minutes; frequency of sound alarm increases or decreases depending on condition of newborn's hypothermia
Band Not Worn	White light blinks 1x every 30 seconds No sound alarm