

# Panda Warmers

For Labor and Delivery

## Keeping the healthy baby healthy...

The Panda® Warmer is designed to meet the needs of your Labor and Delivery. Our revolutionary design eliminates a large overhead heater making it easier to observe the patient. Silence alarms using the new Hands Free Alarm Silence. A brilliant full color control panel displays patient parameters and trending. The Panda Warmer eliminates alarms during Warmup Mode so you can warm the bed before the baby arrives without disturbing the mother during labor. Integrated resuscitation and SpO<sub>2</sub> options support the latest resuscitation guidelines. Every baby is weighed at birth and our integrated in-bed scale option simplifies the weighing procedure while keeping the baby warm in the process. The Panda Warmer is available with plastic or wood cabinet drawers and trim.



# Technical Specifications

## Panda Warmer

- Height: (adjustable) 193-218 cm (76-86 in)
- Depth: 119.4 cm (47 in)
- Width: 63.5 cm (25 in)
- Weight: Approx. 100 kg (220 lbs)
- Standard 2 Drawer: 6.8 kg (15 lbs)
- Standard Deep Drawer: 6.8 kg (15 lbs)
- Footprint: 119.4 x 63.5 cm (47 x 25 in)
- Floor Space: 7,582 sq cm (1,175 sq in)
- Mattress Size: 66 x 48 x 2 cm (26 x 19 x 0.75 in)
- Bed to Floor (fixed base): 83.8-107.9 cm (33-42.5 in) with 4 cm (1.6 in) fixed increments
- Bed to Floor (elevating): 83.8-107.9 cm (33-42.5 in)
- Bed Capacity: Patient weight up to 13.6 kg (30 lbs)
- Bed Tilting:  $\pm 12^\circ$  continuous tilt; Bubble level indicates level bed

## Operational Environment

### Panda Warmer

- Operating Temp. Range: 18°C to 30°C
- Operating Humidity Range: 5% to 75%
- Storage Temp. Range: -25°C to +60°C
- Storage Humidity Range: 0% to 85%

### Resuscitation Unit

- Operating Temp. Range: 18°C to 41°C
- Operating Humidity Range: 0% to 90%
- Storage Temp. Range: -25°C to +60°C
- Storage Humidity Range: 0% to 95%
- Storage Pressure Range: 50 kPa to 106 kPa

## Electrical Power Requirements

- 115 VAC, 50/60 Hz Models:  
115 V  $\pm 10\%$ ; 6.6 Amps
- 220-240 VAC, 50/60 Hz Models:  
230 V  $\pm 10\%$ ; 3.3 Amps\*

- Nominal Power Consumption: 520 W at max. heater power, max. lighting
- Complies with IEC 60601-1 for electrical safety

## Integrated Resuscitation Characteristics

- Input pressure: 40-75 psi (275-517 kPa)
- Minimum Input Flow: 70 lpm

### Venturi Vacuum Subsystem

- Range: 0-150 mmHg
- Accuracy:  $\pm 5\%$  of full scale

### Adjustable PIP (For T-Piece Resuscitation System only)

- Maximum PIP:  $45 \pm 5$  cmH<sub>2</sub>O
- Override:  $> 30 \pm 4$  cmH<sub>2</sub>O
- Flow Capacity: 15 lpm

### Flowmeters

- Range: 0-15 lpm
- Accuracy:  
0-5 lpm  $\pm \frac{1}{2}$  lpm  
5-10 lpm  $\pm 1.5$  lpm  
10-15 lpm  $\pm 2$  lpm

### Air/O<sub>2</sub> Blender

- Range: 21-100% O<sub>2</sub>
- Accuracy:  $\pm 5\%$  O<sub>2</sub>

### Airway Pressure Manometer

- Display Range: -10 to 80 cmH<sub>2</sub>O
- Accuracy:  $\pm 5\%$  of full scale

## Integrated SpO<sub>2</sub> Characteristics

### Masimo SET Technology

- Measurement Range:  
SpO<sub>2</sub>: 30-100% SpO<sub>2</sub>  
Pulse Rate: 25-240 bpm
- SpO<sub>2</sub> Accuracy:  
From 70-100% SpO<sub>2</sub>,  $\pm 3$  digits for neonates. Below 69%, unspecified.
- Pulse Rate Accuracy:  
No motion:  $\pm 3$  bpm  
Motion:  $\pm 5$  bpm

## Integrated Scale Characteristics

- Accuracy:  $\pm 10$  g (0.35 oz)
- Range: 300 g to 8 kg (0.66 lbs to 17.6 lbs)

## System Control Characteristics

- Full Color Display: 16.5 cm (6.5 in)
- Observation Lights: 2 dimmable halogen lights (35 W each), 0-1500 lux average
- Procedure Light: 50 W, 2000 lux average; estimated life 3000 hrs based on manufacturer's rating

### Warmup Mode

- Automatically started at power up
- Heater operates at 100% power for 7 minutes, then reverts to 50% power
- Check patient alarms eliminated during Warmup mode

### Microprocessor Based Control System

- Self-test function performed at power on and continuously during operation
- Heater Warmup Time at 100% Power: less than 3 minutes
- Heater Element: 360 watts
- Heater Output: adjustable from 0-100% in 5% increments
- Patient Control (Baby) Mode: 34°C to 37.5°C in increments of 0.1°C (95°F to 99.5°F)
- Manual Mode: Indicates manual mode heat selection range from 0 to 100% in 5% increments
- Temperature Measurement Accuracy:  $\pm 0.3^\circ\text{C}$   
Resolution:  $\pm 0.1^\circ\text{C}$
- Probe Accuracy:  $\pm 0.1^\circ\text{C}$   
Range: 30-42°C (71.6-107.6°F)

\*International specification, not available in the USA

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