



# Panda™ Warmer

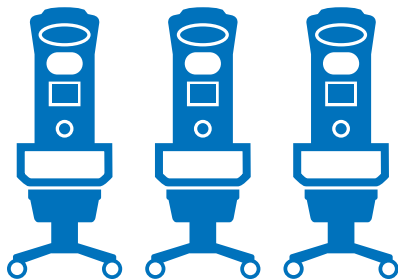
A warm welcome for your newborns

# An integrated approach to confident care

The best place for your newborns is in the loving arms of their moms and dads. Sometimes, though, they need extra care and attention—the kind of care and attention only you can provide.

You want to give every baby, no matter how small the size or big the challenge, the chance for a healthy start at life. The most important tools you have is your clinical know-how paired with your empathy to give newborns the chance they deserve.

Panda Warmers from GE Healthcare give you the all-in-one solution you need to help babies go home healthy. Panda Warmers are developed with an emphasis on family-centered care to create a more inclusive and collaborative environment for care providers and parents. In addition, they provide the integrated technology solutions to help you deliver responsive, appropriate care.



# One integrated solution

Labor and delivery providers are masters of juggling multiple tasks, while staying vigilant for any number of possible challenges. The features of the Panda Warmers are designed to allow providers to focus on their most important task—caring for newborn patients and their moms.



## Simple

### A bright idea

The optional integrated procedure light is simple to position and lets you easily control light levels so that you can do the work you need to do without creating any unnecessary discomfort for the newborn.

### Brilliant, full-color controls

Full-color control panel is readily accessible and easy to use. All patient information is vividly displayed on the monitor in real time.

### Dovetail dual rails

The GE Healthcare vertical dovetail dual rail system is incorporated for easy addition of accessories and ancillary equipment to simplify your equipment management.



## Efficient

### Warm-up with no nuisance alarms

When turning on the Panda Warmer, the automatic warm-up mode maximizes warming to help ensure the bed is warm when the newborn arrives. By eliminating nuisance alarms, we help keep the environment quiet and stress-free for caregivers and parents.

### Heat where you need it

GE Healthcare's innovative Hourglass Heat Profile bathes the baby in soothing warmth, with uniform coverage across the mattress, while keeping the caregiver cool and comfortable.



## Intelligent

### Hands-free alarm silence

Maintain a clean environment and keep the area quiet and soothing by simply moving your hand in front of the sensor to silence the alarm.

### Accurate temperature control

Powered by the same open-bed heat-control algorithm as our trusted Giraffe™ OmniBed™ Carestation.

# Next level of integration

Make the most of your investment and provide the best possible care with these optional features for your Panda Warmer.

## **Integrated resuscitation**

Available with minimal setup to meet NRP and ILCOR guidelines, and helps to standardize resuscitation protocols across the perinatal care area. Integrated gas cylinder holders enable smooth work flow and transport convenience.

## **Integrated SpO<sub>2</sub> and ECG Heartrate**

The integrated ResusView™ option, available with Panda iRes warmers, provides accurate ECG heart rate and SpO<sub>2</sub> blood oxygen levels within seconds, allowing you to provide timely and appropriate interventions and the best care possible for babies and families.

## **Integrated scale**

Baby's first weight is available right at the bedside. There is no need to move the baby to another surface and elevates comfort with a warm surface heater rather than a cold scale. So cute, parents might even take a picture!

## **X-ray tray**

With an integrated x-ray cassette tray, there's no need to move the baby; the Panda Warmer maintains uninterrupted thermal support while taking an x-ray.

## **Uninterruptible Power Supply (UPS)\***

Quality of care is never compromised, as the UPS battery keeps the baby safe and secure from power interruptions for 15 minutes.\*\*



# Three options. Infinite potential.

No matter which Panda Warmer is best for your labor and delivery facility, you can be confident that each one is designed to empower you to give your newborns the care they need, when they need it most.



## **Panda Wall Mount Warmer**

The Panda Wall Mount Warmer provides a wide range of features while complementing the design and architecture of your labor and delivery room. Perfect for enclosure in custom cabinetry, the Panda Wall Mount Warmer can be out of sight when not needed and instantly available when it is needed.



## **Panda Freestanding Warmer**

The Panda Freestanding Warmer works with your own bed or bassinet and can be easily moved throughout your facility, improving your staff workflow and minimizing disruptions to your tiniest patients and families. The Panda Freestanding Warmer offers a complete range of features combined with exceptional versatility.



## **Panda iRes Warmer**

The Panda iRes Warmer provides an integrated, transportable solution to help you provide the strongest start for newborns in your care. With ResusView technology, the Panda iRes Warmer can be configured with full resuscitation capabilities, ECG heart rate and SpO<sub>2</sub> monitoring, meeting clinical standards in a single configuration. This warmer is always in open bed mode and there is no canopy lift or portholes. The pass-through drawer allows for full-seated access and parental bonding.

# At the heart of the golden hour

You give the world's newborns a strong start at life, and we're here to support you with reliable, advanced technology that's also incredibly easy to use. GE Healthcare's Panda Warmer ResusView solution, available exclusively with the Panda iRes Warmer, helps give your staff clinical confidence in those vital moments.



## Heart rate in 4 seconds\*\*\*

An accurate heart rate assessment immediately after birth is critical to the correct guidance of resuscitation efforts. With ResusView, ECG heart rate and blood oxygen saturation level (SpO<sub>2</sub>) are integrated into your warmer. ResusView ECG provides a heart rate within 4 seconds.

ResusView also provides a convenient view of this data with a continuous ECG heart rate number displayed on the Panda Warmer screen, something palpation or auscultation won't provide. Plus, the available heart rate tone, allows you to confirm the ResusView feature is detecting heart rate.



**Integrated**



**Turn-key**



**Clinical  
confidence**





# Technical specifications

## Mechanical

### Panda iRes Warmer

Height:	193–218 cm
Width:	64 cm
Depth:	119 cm
Weight:	100 kg
Mattress size:	66 x 48 x 2 cm
Bed capacity:	14 kg
Bed tilt:	±12° continuous tilt
Maximum patient weight:	40 kg (88 lbs)
Standard 2 drawer:	6.8 kg (15 lbs)
Standard deep drawer:	6.8 kg (15 lbs)
Footprint	19.4 x 63.5 cm (47 x 25 in)
Floor space	7,582 sq cm (1,175 sq 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)

### Panda Freestanding Warmer

Height:	195 cm
Width:	85 cm
Depth:	77 cm
Weight:	43 kg

### Panda Wall Mount Warmer

Height:	69 cm
Width:	40 cm
Depth:	49 cm
Weight:	15 kg

### Accessories—iRes only

Storage drawer package:	6.8 kg max. load
Instrument shelf:	3.6 kg max. load

### Latex-free

## Operating environment

Temperature:	18°C to 30°C
Humidity:	5% to 75% noncondensing relative humidity
Pressure:	70–106 kPa
Water ingress:	IPXO

## Electrical power requirements

5.25 A @ 100 V ~, 50/60 Hz
4.57 A @ 115 V ~, 50/60 Hz
2.39 A @ 200 V ~, 50/60 Hz
2.28 A @ 230 V ~, 50/60 Hz
2.19 A @ 240 V ~, 50/60 Hz
115 VAC, 50/60 Hz models: 115 V ± 10%; 6.6 A
220–240 VAC, 50/60 Hz models: 230 V ± 10%; 3.3 A*
Nominal power consumption: 520 W at max. heater power, max. lighting
Complies with IEC 60601-1 for electrical safety

## Uninterruptible power supply (UPS)

Battery time: 15 min. @ 410 W

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

Parameter	Masimo Rainbow SET®	Nellcor Oximax™
Measurement range		
SpO <sub>2</sub>	30–100%	1–100%
Pulse Rate	25–240 bpm	20–300 bpm
SpO <sub>2</sub> accuracy		
From 70–100%	± 3 digits for neonates	± 3 digits for neonates
Below 69%	Unspecified	Unspecified
Pulse rate accuracy		
No motion	± 3 bpm	± 3 bpm
Motion	± 5 bpm	N/A

# Technical specifications

## System performance

Warmer expected:	Approx. 8 years service life
Heater element:	360 W
Patient temperature:	± 0.3°C @ 30°C measurement accuracy: to 42°C
Observation light:	2 dimmable 35 W halogen bulbs: est. life 3000 hours
Procedure light:	Avg. 2000 lux (at nominal voltage); est. life 3000 hours

### User control settings

Patient control:	34–37.5°C in 0.1° temperature increments
Radiant heat power:	0–100% in 5% increments

### Irradiance

iRes warmer	31 mW/cm <sup>2</sup>
100% heater power:	
Freestanding and wall mount warmer (at highest mattress height position)	100% heater power: 31 mW/cm <sup>2</sup>
Heater warm-up time at 100% power	Less than 3 minutes

### Weight scale performance

Functional range:	300 g to 8 kg
Accuracy:	±10 g

## Operating environment

### Panda Warmer

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

## Integrated resuscitation characteristics

Input pressure:	40–87 PSI, (275–600kPa)
Minimum input flow:	70 lpm

### Venturi vacuum subsystem

Range:	0–150 mmHg
Accuracy:	+/- 5% of full scale

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

Maximum PIP:	45 ± 5 cm H <sub>2</sub> O
Override:	> 30 ± 4 cm H <sub>2</sub> O
Flow capacity:	15 lpm

### Flowmeters

Range:	0–15 lpm
Accuracy:	1–5 lpm ± 0.5 lpm 5–10 lpm ± 1.5 lpm 10–15 lpm ± 2 lpm

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

Range:	21–100% O <sub>2</sub>
Accuracy:	+/- 5% O <sub>2</sub>

### Airway pressure manometer

Display range:	-10 to 80 cm H <sub>2</sub> O
Accuracy:	+/-5 % of full scale

### Parameter and modules

Parameter and modules	Patient side module	Patient data module	Measurement accuracy
ECG HR	3 leadwires	N/A	±1% (30 bpm–300 bpm)
SpO <sub>2</sub>	GE SpO <sub>2</sub>	Masimo, Nellcor	SpO <sub>2</sub> : ± 3 digits; Pulse Rate: ± 3 bpm
Skin Temp.	Neonatal Temp. Probe	N/A	± 0.3°C

### ECG HR time to display

After leads are placed on the patient and the ResusView ECG feature is turned on, the system shall display heart rate in:	≤2 sec +1, 240 bpm+ ≤3 sec +1, 120 bpm-239 bpm ≤4 sec +1, 60 bpm-119 bpm ≤9 sec +1, 30 bpm-59 bpm
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## Disclaimers

\* Not available in all markets

\*\* Dependent upon load conditions

\*\*\* 60 bpm-120 bpm

Imagination at work

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