



KR 1000

Infant Radiant Warmer





NOVOS offers a combined warming bed. KR 1000 which is designed for different needs of a newborn in delivery room, emergency and NICU. This minimizes the number of intervention and reduces the cold stress as a result. KR 1000 Infant Radiant Warmer comes with three operation modes to create best thermal support, so that newborns can use their energy for growth instead of temperature stabilization. KR 1000 offers optional modules and features that allow users to combine various care methods according to the baby's needs.

ADVANCED FEATURES

- Easy to use control panel with large and bright LED displays.
- Pre-Warm, Manual and Baby (Servo) operation modes for different purpose of use.
- Controlled heating of infant bed provides a warm welcome to the precious newborn by pre-warm mode.
- With SmartSilence, clinicians can silence audible alarms without touching the control panel, ensuring their hands still sterilized.
- Instead of changing positions or repositioning the newborns, clinicians use 360° Rotating Bed to keep them comfortable and avoid the stress.
- SmartTilt allows clinicians to apply Trendelenburg & Reverse Trendelenburg positions with only one button.
- SmartMemory provides to save the Trendelenburg positions which are mostly used by clinicians.
- Head part of KR 1000 has ceramic heaters which can provide more efficient heating performance on the radiant warmers.
- Pivoting heater module provides less intervention thus less stress for newborn during X-Ray procedures.
- Digital APGAR Timer of 1, 5, 10, 20 minutes for apgar scoring.
- Intelligent alarms for maximum patient safety.
- Large mattress and foldable side panels for easy access to newborn.
- Examination lamps for easy observation of newborn.
- Optional measurement of ambient temperature, clinicians can achieve the ideal warming therapy while the KR 1000 is on Pre-Warm Mode.
- The SmartWeigh feature allows for easy and accurate measurement of the baby's weight, enabling clinicians to effortlessly track weight changes and monitor the baby's growth with precision.
- Thanks to the SmartTare feature, clinicians can easily lift the baby and complete the taring process.



User Friendly Design

While you provide the best care for newborns, KR 1000 make it easier for you with the user-friendly design, ensuring that clinicians can provide the highest standard of treatment.

Pivoting Heater Module

Pivoting heater module allows for easy integration of a mobile X-ray unit over the mattress, reducing interventions and stress for newborns. Additionally, this feature enables doctors and clinicians to easily access the patient for examination purposes.



Optimal Heating and Maximum Patient Safety

The KR 1000 Infant Radiant Warmer is equipped with an intelligent microprocessor control panel, providing continuous optimal thermal support for newborns and easy usage for clinicians. The perfectly designed heater module guarantees homogenous heat distribution over the mattress, ensuring consistent warmth throughout the newborn's body. The baby's skin temperature is easily monitored with a skin probe, while adjustable alarms set to target temperatures provide added convenience for clinicians. Equipped with specific precautions for different modes, it ensures not only the baby's safety but also prioritizes the protection of the clinician and the treatment environment.

Control Panel

The KR 1000 features an easy-to-use control panel for seamless parameter adjustments, and thanks to its bright, large-screen LEDs ensure the clinicians can track easily afar to vital values.

SmartSlience

SmartSlience feature provides clinician hands-free silencing of the alarm so that clinician can keep hands still sterilized.

Intelligent Alarm System

Intelligent Alarm System warns clinician if an unexpectedly long operation time is passed without reaching target skin temperature in baby mode. In manual mode a similar intelligent alarm is triggered if the device is operated over safety limits. Additionally, the axis failure alarm, sensor failure alarm and power failure alarm help prevent unexpected situations, ensuring the safety of babies, clinicians and the treatment environment.



Integrated X-ray Casette Tray

X-ray cassette tray is accessible from front side of the bed.

Foldable Side Panels

With foldable side panels, which are located on front and rear sides of the bed, clinicians can achieve easy access to the patient.





The SmartTilt Feature

With the SmartTilt feature, trendelenburg and reverse trendelenburg positioning of the KR 1000, bed is managed by the electronic control system with a simple push of a button located on the front side of the bed unit. There is also a button for the zero position.

The SmartMemory System

The SmartMemory System offers two memory slots, allowing for easy one-touch positioning of the bed in two different angles.

CONFIGURABLE FOR MULTIPLE NEEDS

Height Adjustment

KR 1000 offers the advantage of more ergonomic use with its baby bed height controlled by electronic pedals.



Integrated EasyPuff Infant T-piece Resuscitator

For newborn who needs respiratory support, EasyPuff resuscitation module enables clinician to resuscitate newborn in a simple and safe way eliminating the risk of barotrauma or insufficient ventilation. Clinicians can adjust the PIP and PEEP values precisely to achieve the excellent resuscitation treatment.



Air&Oxygen Flowmeter System

Clinician can apply oxygen therapy to the newborn with the required oxygen concentration by Air&Oxygen Flowmeter System. This feature protects the newborn from the risks of excess oxygen exposure.

Air&Oxygen Blender System

The Air&O2 blender enables clinicians to easily adjust precise levels of oxygen for the patient, ensuring optimal respiratory support.

Suction Module

With Suction Module, negative pressure applied can be easily adjusted and continuously monitored. The KR 1000 can be equipped with either Medical Suction Unit or Venturi Suction Unit.

SmartWeigh & SmartTare Systems

The SmartWeigh system allows weight measurement of the newborn at any point on the infant bed, eliminating the need for an external scale. With the SmartTare feature, clinicians can effortlessly lift the baby and complete the taring process without interrupting the therapy, ensuring seamless and continuous care.

Bililed Mini+ Phototherapy System with Flexible Arm

The Bililed Mini+ can be easily integrated into the KR1000, allowing the newborn to receive phototherapy even in cases where the newborn needs to stay in KR 1000. With the help of flexible arm, Bililed Mini+ can be adjusted according to the baby's position.



Technical Specifications

Dimensions

Width	90 cm
Depth	113 cm
Height (Standard)	177 cm
Height (Adjustable, optional)	177 cm, 197 cm (max.)
Mattress Size	70 cm x 55 cm
Maximum Capacity of Bed	10 kg
Mattress Height (Standard)	93 cm
Mattress Height (with opt. height adjustment)	93 cm–113 cm (max.)
Weight (Standard options)	75,5 kg
Weight (Full configuration)	98,5 kg

Characteristics

Supply Voltage	220 VAC (±10%)
Supply Frequency	50–60 Hz
Trendelenburg (Electronic)	±12°
Examination Light	2 pcs. LED
Set Temperature (Baby Mode)	34–38°C in 0.1°C increments
Heater Output	0–100% in 10% increments
Skin Temperature Display	10 - 50 °C
Heater Power Percentage display	Available
Temperature Measurement Accuracy	0.1 °C
Hands Free Alarm Silence	Available
Pre-Warm Mode w/ Air Probe Option	40% ≤ 25°C
	30% > 25°C
Pre-warm Mode Standard Device	40% constant
IV Pole Max Weight	5 kg
Monitor Tray max weight	10 kg
Drawers max weight	Total 10 kg
Pivoting Heater Module Rotation Angle	Available
Maximum Noise Level	45 dBA
Grommets Quantity	8

EasyPuff T-Piece Resuscitation Module (Optional)

Peak Inspiratory Pressure (PIP)	5 - 70 cmH ₂ O @ 8 lpm
Positive-end Expiratory Pressure (PEEP)	1 - 10 cmH ₂ O @ 8 lpm
Adjustable Max. Pressure Limit (preset)	40 cm H ₂ O
Flow Capacity	5 lpm–15 lpm
Airway Pressure Manometer	-20 to 80 cm H ₂ O
Display Range	±2% of full scale

Air & O₂ Blender (Optional)

O ₂ Concentration Range	21–100% O ₂
O ₂ Accuracy	±3% full scale
Flowmeter Range	0–15 lpm

Air & Oxygen Flowmeter (Optional)

Wall Supply Pressure	3–5 bars
Cylinder Pressure	3–5 bars
Patient Gas Supply Flow Range	0–15 lpm

Integrated Bilired Mini+ Phototherapy (Optional)

Intensity	> 40 μW/cm ² /nm
Lamp Lifetime	50.000 hours

Suction Module (Optional)

Manometer Range	-200 to 0 mmHg
Safety Jar Capacity	500 ml
Input Gas Type	O ₂ for Positive Pressure Driven
Venturi Type Suction	
Vacuum for Negative Pressure	
Driven Regular Suction	

Weighing Scale (Optional)

Weighing Range	0–10 kg
Weight Display Resolution	1 g
Accuracy	± 4 g

Alarms

High Skin Temperature
Low Skin Temperature
High Temperature
Control Baby
Sensor Disconnection/Failure
Axis Failure
System Failure
Power Failure

Environmental Requirements

Operating Temperature Range	20 °C – 30 °C
Storage Temperature Range	(-20) °C – 60 °C
Operating Humidity Range	5 – 95 %RH, non-condensing
Storage Humidity Range	5 – 95 %RH, non-condensing

Order List

Standard Features

Control Panel
Examination Lamps
SmartSilence System
Intelligent Alarm System
Pivoting Heater Module
Foldable Side Panels
X-Ray Cassette Tray
SmartTilt System
SmartMemory System
Standard Baby Bed
Reusable Skin Probe
4 Wheels with Brakes
Skin Probe
APGAR timer, Timer1, Timer2
Mattress

Spare Parts & Consumables

Humidifier Bottle
Disposable Skin Probe
Patient Circuit Holder
Grommets
Suction Bottle Filter
Ceramic Resistance
Eye protectors for Phototherapy
Mattress
Fuses

Optional Features

Height Adjustment
SmartWeigh
360° Rotating Bed
EasyPuff Infant T-Piece Resuscitator
Connection Arm
Air Flowmeter System
Oxygen Flowmeter System
Air&Oxygen Flowmeter System
Air&Oxygen Blender
Medical Suction Unit
Venturi Suction Unit
Bilired Mini+ Phototherapy Unit
Humidifier Bottle
Easy Sliding Drawers
Monitor Tray
IV Pole or Adjustable IV Pole and Infusion Pole Arm
Cylinder Rack (E Type)
Air Probe
Patient Circuit Holder

We Save your Precious

Proven Quality and 100% customer satisfaction.

Having a very strict quality policy brought us 100% customer satisfaction. Novos will continue to design and manufacture high quality products for **neonatal** care ; all you have to do is just focusing on your **precious**.

Novos Medical Systems reserves the right to make changes without notice in design, specifications and models.

The Quality Management System at Novos Medical Systems is certified according to ISO 13485 and products certified in accordance with Medical Device Directive (93/42/EEC)

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