



We Save
your Precious



KI 1000

Infant Incubator





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KI 1000 Incubator has been designed to ensure a precise temperature control and stable micro-environment.

NOVOS Engineers kept in mind that a reliable microenvironment and a comfortable design are the most important values for fragile newborns and caregivers. Incubator's **intelligent software** and microprocessor control unit integrated with advanced safety system allows you to concentrate on vital needs of your patients.

Continuous measurement of air and skin temperatures ensures a stable microenvironment for newborn at every point inside of the canopy. **Double wall design** of hood supports keeping this stable microenvironment over newborn preventing radiative heat loss. So a stable heating from head to toe is guaranteed with KI 1000 incubators.

Thanks to **TTSS-Target Temperature Surveillance System** that, KI 1000 Infant Incubator provides an advance protection for your fragile newborn.

Infant incubators supply a stable thermal environment with the required level of humidification. Standard Servo Humidity feature works perfectly to prevent transepidermal water loss of tiny newborns.

Smartweight feature of KI 1000 will let you get the exact results of weight gain or loss of newborn precisely. This feature, guarantees precise weight readings at any point of the infant bed. You will be impressed with the easiness of auto-tare feature in smart weight system.

Infant Incubators ensures clinicians to get successful results for the newborn development. Servo Controlled O₂ option in KI 1000 infant incubator is another tool for clinicians to guarantee the exact levels of O₂ concentration required for fragile newborn. Trend analysis of servo oxygen will help clinician to follow the O₂ concentration variation in different time intervals.



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User friendly interface and ergonomic design

KI 1000 has a built in **LCD color touchscreen**. Adjustment of any parameter can be made easily on user friendly LCD color touchscreen. It is a comfort for users to follow control parameters, actual values and trends on LCD touchscreen simultaneously.



LCD Color touchscreen

User friendly menu in KI 1000 gives you the comfort and speed during operation, thanks to its **user friendly interface**, KI 1000 reveals all necessary parameters in a comprehensive way and let the caregivers do their job comfortably and guide them to do accurate diagnoses for proper treatment of the newborn.

Easy access to newborn

With KI 1000 incubators it is **very easy** for caregivers to access newborn either from front or rear sides which makes operations much more **comfortable**. When it is necessary, two clinicians can perform operations on newborn at the same time. So, **easy access** to the newborn means less stress for both clinicians and newborn. Multiple access design of canopy also allows you a freedom to position the Kangaroo incubator in NICU room.



Servo Humidity System



Tilting System

Comfort and ease of use

Incubators has $\pm 12^\circ$ **continuous tilting** mechanism for required positioning of newborn. Continuous tilting mechanism supports decreasing the noise level inside the canopy and disturbance felt by newborn is minimized. So the result is **maximum comfort** with minimum stress for fragile newborn.

Canopy design of Kangaroo Incubators allows **clear visibility** of newborn from different angles. Multiple grommets located over canopy support easy connection for ventilation circuits and various sensor cables without interrupting thermal insulation.

Integrated X-ray cassette tray is easily accessible on front side of incubators. So there is no need to move newborn for **x-ray application**.

Servo Humidity system lets caregiver adjust the relative humidity inside canopy in order to prevent transepidermal water loss.



X-Ray Application



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Configurable features for different needs of NICU's

KI 1000 is fully configurable with the optional features like servo oxygen system, smartweight system, height adjustment, auxiliary power sockets, secondary skin probe, disposable skin probe, cylinder rack for E-type cylinders, additional monitor tray, double wall on access doors. Secondary skin probe supports temperature monitorization of extremities.

Servo Controlled Oxygen System guarantees the exact levels of oxygen concentration inside canopy prescribed by clinicians. Auxiliary power sockets enables other medical equipment to be connected easily on KI 1000. You can combine Kangaroo Incubators with Biled Mini and Biled Maxi for jaundice management. Canopy design of Kangaroo Incubators allows NOVOS phototherapy devices to be easily placed on canopy while allowing perfect visibility of the newborn.

SmartWeigh system allows you to take weight measurements without opening the front door and interrupting thermal therapy. It guarantees precise weight readings at any point on the infant bed. Besides, SmartWeigh ability allows user to handle the weighing process with an auto-initiated taring activated just by lifting the newborn from infant bed.



Height Adjustment



Enough Space For Storage



KI 1000 with Bililed Maxi+



Servo Oxygen Sensor

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Technical Specifications

Dimensions

Mattress Dimension _____ 38.7 cm x 63 cm x 3 cm
Width _____ 105 cm
Depth _____ 64 cm

Characteristics

Power _____ 220 VAC ($\pm 10\%$), 50–60 Hz
Trendelenburg _____ $\pm 12^\circ$
Skin Temperature Monitoring for Extremities (KI 1000 only)

Alarms

Skin Temperature Alarm Limits _____ $\pm 0.3, \pm 0.5, \pm 1.0$ ($^\circ\text{C}$) (selectable for KI 1000)
Air Temperature Alarm Limits _____ $\pm 0.5, \pm 1.0, \pm 1.5$ ($^\circ\text{C}$) (selectable for KI 1000)
Skin Probe Disconnection/Failure
Air Circulation Failure
Power Supply Failure
System Failure
Air Sensor Failure

Servo System Humidity

Measure Range _____ 0 to 100%
Reservoir Capacity _____ 1.8 liter
System Accuracy _____ $\pm 1.8\%$
Display Resolution _____ 1% RH
Adjustment Range _____ 30% to 95% RH
High RH Alarm Limits _____ $\pm 5, \pm 10, \pm 15$ (%) (selectable for KI 1000 only)
Low Water Alarm
Sensor Failure Alarm

Environmental Requirements

Operating Temperature _____ 20°C – 30°C room temperature
Storage Temperature _____ -20°C – 60°C room temperature
Operating Humidity _____ 5 %–95 % RH non-condensing
Storage Humidity _____ 5 %–95 % RH non-condensing

Proven quality and 100 % customer satisfaction

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

NOVOS Medical 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 product is certified in accordance with Medical Device Directive (93/42/EEC)

Servo O2 Control (Optional)

Measurement Range _____ 18% to 100%
Control Range _____ 21% to 65%
Display Resolution _____ 1%
Control Accuracy _____ $\pm 3\%$
Double O2 Sensor
Sensor Failure Alarm
High/Low Oxygen Concentration Alarm _____ $\pm 3\%, \pm 5\%$
O2 /RH Sensor Module Displacement Alarm

Weighing Scale (Optional for KI 1000 only)

Weight Limit _____ 0–10 kg
Display Resolution _____ 1 g
Accuracy _____ $\pm 5\text{g}$

Optional for Kangaroo KI 1000 Incubator only

SmartWeigh System
Height Adjustment
Servo Oxygen System
Secondary Skin Probe
Disposal Skin Probe
Additional Monitor Tray
Cylinder Rack for E-Type Cylinders
Additional Water Reservoir
Double Wall Set for Access Doors
Power Cord for EU, UK, USA, Israel Plug Types
*Only 220V 50-60Hz