



KI 1000

Infant Incubator





KI 1000 Infant Incubator has been designed to ensure a precise temperature control and stable microenvironment.

Novos engineers kept in mind that a reliable microenvironment and a comfortable design are the most important values for fragile newborns and clinicians. KI 1000's **intelligent software** and microprocessor control unit integrated with advanced safety system allows you to concentrate on vital need of your patients.

Standard DoubleWall design of hood supports keeping this stable microenvironment over newborn preventing heat loss. So, a stable heating from head to toe is guaranteed with KI 1000. The Servo Humidity System, IV Pole, X-Ray Tray, Drawers, Monitor Tray, LCD Touchscreen and warning system of bacterial filter change time are standard features of KI 1000.

Continuous measurement of air and skin temperatures ensures a stable microenvironment for newborn at every point inside of the canopy. Thanks to **TTSS – Target Temperature Surveillance System** that, KI 1000 Infant Incubator provides an advance protection on for your fragile newborn.

KI 1000 supply a stable thermal environment with the required level of humidification. **Standard Servo Humidity** feature of KI 1000 works perfectly to prevent transepidermal water loss of tiny newborns.

SmartWeigh feature of KI 1000 will let you get the exact results of weight gain or loss of newborn precisely. This feature, guaranteed precise weight readings at any point of the infant bed. The **SmartTare** feature of KI 1000 provides easy-use for clinicians.

KI 1000 Infant Incubator ensures clinicians to get successful results for the newborn development. **Servo Controlled O₂** feature of KI 1000, provides to clinicians precise adjustment of O₂ concentration required for fragile newborns.





User Friendly Interface and Ergonomic Design

KI 1000 has a built-in **LCD Color Touchscreen**. Control parameters, actual values and trends can be followed on LCD Touchscreen simultaneously.

KI 1000 can monitor skin temperature, air temperature, humidity level, oxygen level, peripheral skin temperature and weight. Clinicians can easily follow up on babies thanks to the trends feature available on the device. Accessing trends from the past 7 days is simple, offering clear and detailed insights into recent data patterns.



The **user-friendly design** of the KI 1000 created the opportunity to accurately diagnose and take action with comprehensive parameters. Which of these parameters are displayed in the menu can be adjusted by clinicians. The guiding user interface ensures ease of operation and eliminates the need for repetitive training.

With KI 1000, it is very easy for clinicians to access newborn either from front or rear sides which makes operations much more **comfortable**. When it is necessary, two clinicians can operate 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 to choose positioning of incubator in NICU room.





Comfort and Ease of Use

KI 1000 has $\pm 12^\circ$ **continuous tilting mechanism** for required positioning of newborn. Thanks to the design of the continuous tilting mechanism, the system operates quietly, keeping the baby from the stress.

Canopy design of KI 1000 allows **clear visibility** of newborn from different angles. Multiple grommets located over canopy to support easy connection for ventilation circuits and various sensor cables without interrupting thermal insulation.

The **Integrated X-Ray Cassette Tray** is easily accessible on both main doors of incubators.

Servo Humidity System lets clinicians adjust the relative humidity inside of the canopy in order to prevent transepidermal water loss.

Secondary Skin Probe

Secondary skin probe supports temperature monitorization of extremities. The Central and peripheral skin temperature measurement and graphic monitoring of the selected parameter is the standard feature of KI 1000 which ensures early diagnosis of Thermal Stress.

CONFIGURABLE FOR MULTIPLE NEEDS

KI 1000 is fully configurable with the optional features like Servo Oxygen System, SmartWeigh System, Height Adjustment, Secondary Skin Probe, Disposable Skin Probe, Cylinder Rack for E-Type Cylinders, Additional Monitor Tray.





Technical Specifications

Dimensions

Mattress Dimensions (W x L x H)	39 x 63 x 3 cm
Device Width	105 cm
Depth	64 cm
Height	138 + 20 cm (with height adjustment)
Standard Weight	127.5 kg
Full Option Weight	137.5 kg
Canopy Dimensions(W x L x H)	84 x 46 x 50 cm

Characteristics

Supply Voltage	220 VAC, 50 – 60 Hz
Maximum Power Consumption	500 W
Noise Level	<47 dBA
Screen	7" Touchscreen LCD
Mattress Weight Limit	10 kg
IV Pole Weight Limit	5 kg
Monitor Tray Weight Limit	10 kg
Trendelenburg	± 12°
Handports quantity	6
Grommets quantity	12
Wheels	4 wheels with 4 brakes
Access doors quantity	2

Enviromental 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

Servo Humidity System

Measure Range	0 – 100%
Reservoir Capacity	1.8 L
System Accuracy	± 1.8%
Display Resolution	1%
Adjustment Range	30 – 95%

Servo O2 Control (Optional)

Measurement Range	0 – 100%
Control Range	21 – 65%
Display Resolution	1%
Control Accuracy	± 3%
Double O2 Sensor	

Weighing Scale (Optional for KI 1000 only)

Weight Limit	0 - 10 kg
Display Resolution	0,001 kg
Accuracy	5 g

Alarms

Skin Temperature Alarm Limits	± 0,3 °C, ± 0,5 °C, ± 1,0 °C
Air Temperature Alarm Limits	± 0,5 °C, ± 1,0 °C, ± 1,5 °C
Skin Probe Disconnection/Failure	
Air Circulation Failure	
Power Supply Failure	
System Failure	
Air Sensor Failure	
RH Alarm Limits	± 5%, ± 10%, ± 15%
Low Water Alarm	
Humidity Sensor Failure Alarm	
Oxygen Sensor Failure Alarm	
High/Low Oxygen Concentration Alarm	± 3%, ± 5%
O2 /RH Sensor Module Displacement Alarm	
Change air filter	15 - 30 - 45 days choosable

Order List

Standard Features

Color LCD touchscreen
Double Wall
Low-flow oxygen system
Adjustable IV Pole
Monitor Tray
X-Ray Tray
Servo Humidity System
Drawers
Trendelenburg Mechanism
Trends
Secondary Door Lock
TTSS
4 Wheels with Brakes
Mattress

Optional Features

SmartWeigh System
Height Adjustment
Servo Oxygen System
Secondary Skin Probe
Additional Monitor Tray
Oxygen Cylinder Rack
Patient Circuit Holder

Spare Parts & Consumables

Disposable Skin Probe
O2 sensor
Water Reservoir
Grommets
Handport Gasket
Humidity Sensor
Mattress
Reusable Skin Probe
Air Probe

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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