



KT 1000

Infant Transport Incubator





KT 1000 Infant Transport Incubator provides stable microclimate for the safe transportation of the newborns in hospital services, ambulances and airplanes / helicopters. KT 1000 Infant Transport Incubator developed with advanced technology to offer all needed features. It helps clinicians by providing reliable treatment where many parameters can be controlled easily.

UNIQUE FEATURES



Quick Warm Up Time

The KT 1000 Infant Transport Incubator offers a unique treatment opportunity by providing the necessary heated environment for newborns within only 30 minutes.

Long Battery Life

The KT 1000 Infant Transport Incubator ensures maximum efficiency in protecting newborns during the transportation for up to 4 hours at full performance and up to 8 hours at average performance, thanks to its long-lasting 2 batteries.

Fast Charging and External Power Input Cable

The KT 1000 Infant Transport Incubator can be fully charged in just 6 hours. It can also be charged by an **optional** external 12V DC power cable connected to ambulance batteries for emergency use.

Easy Access to Baby

The front and back access doors can be opened as standard, allowing the clinicians to perform interventions from both side at the same time.

According to the ambulance seating direction, the head side opening direction of the canopy can be selected by the customer as right or left.



Designed for Safe Transportation

The control panel is located on the front, making it easy to use and access, as well as easy to monitor the parameters. The key locking mechanism on the control panel helps to avoid unexpected accidents.

Energy consumption of KT 1000 can be followed on the panel by paramedics so that it provides safe use. KT 1000 comes with four different stretcher options designed for ambulances, along with corresponding ambulance lock mechanisms.

These lock mechanisms ensure that the KT 1000 is securely fastened to the ambulance floor even in challenging conditions.

In case of emergency situations, the unit is equipped with two oxygen tube housing within the main body for the baby's oxygenation. Additionally, an optional aspiration unit designed specifically for infants is available to ensure safe aspiration during emergencies.



Sliding Out Bed Platform

KT 1000 Infant Transport Incubator supports paramedics in sudden and rapid interventions thanks to its baby bed that can be pulled out by 40%.

Double Wall Technology

The double wall of the KT 1000 Infant Transport Incubator maintains a constant temperature inside the canopy, ensuring reliable operation and protection of newborns even in challenging weather conditions.

Baby Protection Belt

KT 1000 Infant Transport Incubator offers two safety belts connected to the infant bed to secure the baby while the vehicle is moving, protecting the baby from accidents.

Integrated Examination Lights

Thanks to the integrated examination light, clinicians can examine the baby much more easily. The examination light intensity of KT 1000 can be adjusted at 3 levels according to the needs.

Passive Humidification

In order to prevent dehydration of newborn during transportation, KT 1000 Infant Transport Incubator offers passive humidification with moisturizing sponge which can hold up 500 mL water. Thanks to moisturizing sponge, leaks will be prevented.

CONFIGURABLE FOR MULTIPLE NEEDS

Optional EasyPuff Infant T-Piece Resuscitator

For emergency situations, KT 1000 Infant Transport Incubator offers EasyPuff Infant T-Piece Resuscitator.

It helps paramedics mitigate the risk of barotrauma or insufficient ventilation in a simple and safe manner during transportation. Clinicians can adjust the PIP and PEEP values precisely to achieve the excellent resuscitation treatment.





Built-in Aspiration Unit

KT 1000 Infant Transport Incubator's battery powered aspiration unit designed for babies' safe and comfortable respiratory secretion cleaning during the transfer.

Blender & Mounting Kit

KT 1000 Infant Transport Incubator provides blender, which can be mounted on KT 1000, enables clinicians to easily adjust and precisely control the air and oxygen levels for the patient, ensuring optimal respiratory support.

Air & Oxygen Cylinder Housing

KT 1000 Infant Transport Incubator allows paramedics to quickly intervene during transport situations where newborns may require oxygen and air, utilizing cylinders.

Ventilator & Mounting Kit

We provide all complementary products needed for use with the KT 1000 Infant Transport Incubator, including a ventilator with mounting kit as an option for managing respiratory complications during transport.

IV Pole & Monitor Tray or Adjustable IV Pole

KT 1000 Infant Transport Incubator offers IV Pole and Monitor Tray to facilitate use during transportation. According to the needs, Adjustable IV Pole can be chosen.

Trolley or Stretcher Options with Ambulance Grand Lock Mechanisms

With 4 different stretcher options and secure lock mechanisms, users can select the appropriate stretchers based on the type of ambulance. For in hospital use, a trolley option is available with a 3 levels adjustable design and 4 breaking wheels.



Technical Specifications

Mechanical Specifications

Infant Transport Incubator with Ambulance Stretcher

Height (With Ambulance Stretcher)	1430 mm Max. / 850 mm Min.
Bed Height (With Ambulance Stretcher)	1154 mm Max. / 574 mm Min.
Width (With Ambulance Stretcher)	1930 mm
Depth (With Ambulance Stretcher)	563 mm
Wheels	2 with brakes - 2 without brakes
Wheel Diameter	Ø125
Total Weight With Stretcher	100 kg
Standard Model Weight	70 kg

Infant Transport Incubator with Transport Trolley

Height (with Transport Trolley)	1472 mm Max. / 1152 mm Min.
Bed Height (with Transport Trolley)	1196 mm Max. / 876 mm Min.
Width (with Transport Trolley)	1380 mm
Depth (with Transport Trolley)	550 mm
Wheels	4 with brakes
Wheel Diameter	Ø125
Total Weight (With Transport Trolley)	98 kg
Standard Model Weight	70 kg
IP Class	IP20
Bed Dimensions	322 x 637 x 35 mm
Bed Weight Capacity	10 kg
Canopy Height	380 mm
Canopy Width (Inner)	437 mm
Canopy Depth (Inner)	716 mm
Openable Bed Platform	It can be opened to the outside by 40%
Number of Windows	4 pcs, Front-Back cover
Number of Caps	3 pcs
Detachable Canopy	Available
Air Filter Type and Pore Size	Disposable, 0.5µ

Electrical Specifications

Supply Voltage and Current	110 - 220 VAC/ 3.2 A @110 VAC – 1.4 A @220 VAC
Applied Sections	Type BF
Protection Class	Class 1
Fuse	2 pcs of 4A, 1 pc of 15A Porcelain Fuse
Supply Frequency	50 – 60 Hz
Battery capacity	4 - 6 hours (When the device is at full power)
Battery charge time (fully empty)	6 hours
Maximum Power Value	350 W
Noise Level	< 47 dBA
Resistance Type	Silicone Resistance
Resistance Power Value	120 W
Leakage Current Value	< 100 µA

Environmental Conditions

Operating Temperature	10 °C – 30 °C
Operating Humidity	5 – 95 %RH, non-condensing
Storage Temperature	(-20) °C – 60 °C
Storage Humidity	5 – 95 %RH, non-condensing

Sensor Specifications

Skin Probe Type	Single NTC
Skin Temperature Measurement Range	1,0 °C - 41,0 °C
Skin Temperature Display Range	1,0 °C - 41,0 °C
Skin Temperature Display Resolution	0,1 °C
Skin Temperature Measurement Accuracy	± 0,2 °C
Target Skin Temperature Range	34 °C - 38 °C
Secondary Skin Probe	No
Air Probe Type	Double NTC
Air Temperature Measurement Range	1,0 °C - 41,0 °C
Air Temperature Display Range	1,0 °C - 41,0 °C
Air Temperature Display Resolution	0,1 °C
Air Temperature Measurement Accuracy	± 0,2 °C
Target Air Temperature Range	20 °C - 39 °C

Characteristic

Humidification Type	Passive (with wet sponge) Humidification
Displaying Heater Power Percentage	In 10% increments
Warm Up Time	< 30 minutes, from 25 °C to 36 °C (at 25 °C ambient temperature)
Air Flow Rate	< 0,1 m/s, < 10 cm/s
Max CO2 Concentration	< 0,5 vol% >37°C
Confirm Button	Available
Interface Languages	English

Alarms

Low Skin Temperature	
Low Air Temperature	
High Skin Temperature	
High Air Temperature	
Low Battery Level	
Device Supply/ Power/ Fuse problem	
Critical Air or Skin temperature	
Communication / Processing Problem	
Air Circulation Problem	
Alarm Limits	± 1,0 °C

Order List

Standard Features

Canopy Opening Side (Right or Left)
2 pcs Cylinder Racks
Passive Humidification System (with sponge)
Skin Probe
Air Probe
Air Filter
Mattress
Examination Light
Double Wall
2 pcs Protection Belts

Optional Features

Stretcher or Trolley
Built-in Aspiration Unit
Blender and Mounting Kit
Accessory Arm
Ventilator and Mounting Kit
Easypuff T-Piece Infant Resuscitator
Monitor Tray
IV Pole or Adjustable IV Pole
External Power Input
Air&Oxygen Cylinders
Vacuum Container

Consumables

• Disposable Skin Probe • Reusable Skin Probe • Air Filter • Vacuum Container Antibacterial Filter • Air Probe • Mattress • Fuses • Grommets

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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