

# medix NATAL CARE LX

## Intensive Care Incubator

### Technology, design and excellent results for neonatal care

The Natal Care ST LX intensive care incubator combines cutting-edge technology and an innovative design. It offers excellent results in neonatal care, supporting the development and growth of premature babies in delicate conditions.

#### Cutting-edge technology

The Natal Care ST LX incubator has been designed with state of the art technology. Its control panel is user-friendly, adjustable and easily visible, even at a distance. In addition, it has an electronic height adjustment mechanism and a tilting mechanism with an automatic centering that enables a smooth and accurate movement.

#### Innovative design

Natal Care ST LX has an attractive, modern and ergonomic design. Its four totally foldable doors and its distortion-free visibility provide the safety and control required by a newborn in critical conditions, apart from improving access to the baby during routine procedures.

#### High performance and excellent results

It can be adapted to any space and it is very comfortable both for the babies and for the medical staff. The LCD screen enables the set-up of Natal Care ST LX, the monitoring of optional modules and the graphic tracking of all parameters, facilitating the decision-making process.

#### Comprehensive system

Natal Care LX offers the possibility of incorporating optional modules (pulse oximeter, scale, servo-controlled oxygen and humidity) and a wide range of accessories, enabling different set-ups and making it a comprehensive system for neonatology rooms. This feature makes Natal Care LX a very flexible incubator, ideal for different places and situations.



NATAL CARE LX with optionals

## Basic equipment

Microprocessed intensive care incubator with a mobile panel with LCD graphic screen, air temperature sensor and two skin temperatures (T1 and T2), alarms, electronic tilting mechanism with automatic centering, double wall, 4 access doors, foldable 180° (2 intensive care and 2 auxiliary lateral doors), 5 oval ports (2 on each intensive care door, 1 on the right lateral door), 8 IV ports, wide dimension mattress, pull-out mattress tray with X-ray film tray, flexible holder for ventilators patient circuit, IV pole, monitor tray, rolling base with 4 wheels (2 with brakes), 2 drawers, 2 reusable skin temperature probes and a pack with 4 air filters.

## Liquid crystal display graphic screen (LCD)

T2, humidity, oxygen, pulse oximetry and weighing scale information and 3 to 24 hs graphic trends for air and skin temperature, relative humidity, oxygen concentration, oxygen saturation, heater output and air and skin notes. Up to 8 days for weight trends. Language, temperature units and weight units configuration. Comfort zone suggestion. Patient identification. Countdown clock for procedures. Alarm limit configuration. Alarm indicators with troubleshooting guide. Technical service screen. Help menu. Network connection IEEE802.3 (Ethernet) 10 Mbps.

## Physical features

	Height (cm)	Length (cm)	Width (cm)	Weight (kg)
Incubator	135	105	60	78
Infant compartment	40	80	48	
Mattres		61	40	
Electronic tilting mechanism continuous from -15° to +15°				
Front and rear door	72	32		
Lateral doors	31	32		

## Specifications with adjustable height stand

Height range 135 cm to 165 cm

## Electrical specifications

110-127V~  
220-240 V~  
Power (basic configuration)

50-60 Hz  
50-60 Hz  
350 W

## Equipment classification according to international standards

Electrical protection Class I  
Protection against damaging liquids entry IPX0  
Applicable part Type B  
International standards IEC60601-2-19, IEC60601-1-2

## Operating modes

### Air mode

Measurement range from 10 °C to 45 °C  
Control range from 20 °C to 37 °C – up to 39 °C in/with extended range  
Resolution 0,1 °C  
Accuracy ± 0,3 °C

### Skin mode

Measurement range from 10 °C to 45 °C  
Control range from 34 °C to 37 °C up to 38 °C in/with extended range  
Resolution 0,1 °C  
Accuracy ± 0,3 °C

## Performance

Circuit self-calibration and self-test yes

## Oxygen concentration (with NCA - 102)

Measurement range 18 – 100%  
Control range 24 – 80%  
Accuracy ± 3%  
Air filter efficiency 99,5%  
Sized of particles filtered >0,5 µm

## Humidity Level (with NCA - 103)

Maximum level up to 95% ± 5%

## Alarms

AAir temperature Alarm	+3 °C, -3 °C adjustable in 0,5 °C steps.	Circuit failure alarm	yes
Skin Temperature Alarm T1	+3 °C, -3 °C adjustable in 0,5 °C steps.	Electronic circuit failure	yes
T2 peripheral temperature alarm	difference between T1 and T2 > 1 °C up to 6 °C adjustable	Power failure alarm	yes
Sensor failure alarm	Yes	Alarm > 39 °C	yes
		Air temperature initial alarm silencing	45 min
		Alarm silencing	15 min

## Optional parts

NCA-101	Pulse oximetry module with plethysmographic waveform
NCA-102	Oxygen servocontrol module
NCA-103	Humidity servocontrol module
NCA-104	Electronic adjustable height stand (lift)
NCA-105	Built-in electronic weighing scale module
NCA-109	Right side door with iris port
NCA-109/1	Left side door with iris port
NCA-110	Antistatic wheels with brake
NCA-111	2 outlets for auxiliary equipment
NCA-112	Short pole for ventilator or pump support
NCA-113	Gel mattress
NCA-121	Holder for type E oxygen cylinders
NCA-127	Set for water discharge for NCA - 103
NCA-128	Reusable external water tank for NCA - 103
SMC-11	Type E oxygen cylinder with yoke
TR-47E	Oxygen pressure regulator with manometer for SMC-11
SMC-NC01	Resuscitation system
MediLED mini	LEDs phototherapy for the treatment of neonatal jaundice