Neonatal Care System

Infant Incubator

Infant Warmer

Phototherapy

bistos

BT-500 Infant Incubator

Masimo Pulse oximeter*

Trend Display

External Monitor*

Environment designed for premature baby

- Double Wall and air curtain maintain constant temperature control in the hood and help the infant keep their temperature.
- Low operation noise and the part that makes noise is designed to make only minimal noise to ensure quiet environment
- In-built x-ray tray and weighing scale minimize the necessity for premature baby leave the incubator for additional care.

Double wall

X-ray tray

Tilt

- Tilting of best enable Trendelenburg and reverse-Trendelenburg for faster recovery
- Built-in Masimo Pulse Oximeter provides most accurate measurement for SpO2.
- Water tank can be disinfected by autoclaving.
- O2 Servo control and measurement available

Convenience designed for medical staff

- Lifting stand adjust mattress height to optimized height for each staff
- Large 6 doors on every side of hood enable the premature baby can be accessible in every direction.
- CCD Camera shows the status of infant in additional display even if the incubator is covered. Even the video can be displayed on mobile phone or PC simultaneously by wireless connection.

Lifting Stand*

- Multi language support helps the staff operate the incubator properly with the instruction in their own languages.
- Large size basket and have enough inner space to store all necessaries for infant care.
- Two skin temperature measures both temperature from belly and peripheral.

Basket*

Peripheral temperature

*Option

BT-550 Infant Warmer

Swivel head

Tilting*

Removable wall

LED examination light

- Servo temperature control (Manual, Baby, Pre-warm mode)
- Swivel head and X-rays tray for other procedure
- Tilting mattress for Trendelenburg treatment
- Easy removable side walls for easy access and cleaning
- APGAR timer for 1, 5, 10 minutes
- LED Examination light for 3 level brightness

*Option

BT-400

- Blue LED light 450 to 475 nm
- Fan-less design for noiseless treatment
- Intensity control (high & low)
- Extensive long LED life time up to 100,000 hours
- Displays operating time and total used time
- Built-in clamp provides various installation options

8 Power LED

with IV pole

with incubator

BT-450

Flexible blanket type

- Blue LED light 455 to 465 nm
- Flexible blanket type
- Intensity control (high & low)
- 10 hours operation on battery
- Display treatment time, remain time, and total using time
- Alarm for high temperature

Technical Specification

Model		BT-500
Category		Infant Incubator
Air Temp.	Control	Normal : 23 - 37℃
		Override : 37.1 - 39℃
	Measurement	20 - 45 ±0.5℃
Skin Temp.	Control	Normal : 35 - 37.5℃
		Override : 37.6 - 39℃
	Measurement	25 - 45 ±0.5℃
Humidity	Contro	40 - 95%
	Measurement	15 - 99 ±5% RH
	System	Steam (Boiling at 100°C)
	Water Tank	1,000ml (Autoclavable)
Scale *	Measurement	0 - 10Kg ± 50g
	Trend	216 Hour
O_2 *	Control	21 - 65 ± 5%
	Measurement	18 - 100 ± 5%
Masimo SpO_2 *	Measurement	1 - 100%
	Accuracy	± 3% (70-100%)
		Unspecified (0~69%)
	Pulse Rate Range	25 - 240bpm ±3bpm
CCD Camera *	Resolution	2.5M pixel
	Video Transfer	Wi-Fi
Hood	Hand Port	6 Door
	Tubing Port	2 x 6 Port
	Structure	Double wall
	Air Curtain	Support
	Noise	< 45dB
	Size (HWD)	490 x 858 x 457 mm
Bed	Tilt	< 12°
	Matress	72 x 39 x 2 cm
	X-ray tray	35 x 40 cm
Lifting Stand *	Height	65 - 85 cm
IV Plate *	Load limit	11 Kg
IV Pole *	Hook	2 Hook
Basket *	Load limit	10 Kg
Shelf *	Load limit	3 Kg
Air filter	Particle	0.3 Micron
	Efficiency	99.8%
General	Display	7" TFC Color LCD
	Trend	72 Hour
	Alarm	27 Events (Visual & Sound)
	Warm up	< 30 Minute (Fast Mode)
	Self Test	Power On
	Multi Language	Support
	Quick Guide	In-built
Dimensions	Standard (HWD)	1,354 x 1,024 x 690 mm
	With Lifting (H)	1,244 - 1,444 mm
Weight	Standard	99.3 Kg
	Maximum	117.5 Kg
Warranty	Main unit	2 year

* Option

Model		BT-550
Category		Infant Warmer
Temp. Control Mode		Prewarm / Baby / Manual
Skin Temp.	Control	34 - 38 ℃
	Measurement	26 - 42 ±0.3℃
Heater	Type	Infrared
	Control	0 - 100% / 20 Level
	Power	600W
	Life Time	5,000 Hour
	Rotation	90°
APGA Timer	Setting	0 - 59 min. 59 sec.
	Beep	1, 5, 10 min.
Examination	Power	40W LED (10W x 4)
	Control	3 Level
	Illumination	> 7,000 lx
Scale *	Measurement	0 - 10Kg ±10g
Masimo SpO_2 *	Measurement	1 - 100%
	Accuracy	± 3% (70-100%)
		Unspecified (0~69%)
	Pulse Rate Range	25 - 240bpm ±3bpm
Bed	Tilt *	< 15°
	Matress	80 x 49 x 2cm
	X-ray tray	35 x 40 cm
Lifting Stand *	Height	65 - 85 cm
IV Plate *	Load limit	11 Kg
IV Pole *	Hook	2 Hook
Basket *	Load limit	10 Kg
Shelf *	Load limit	3 Kg
Oxygen Delivery *		Regulator, Humidifier, Bracket
General	Display	7" TFC Color LCD
	Alarm	6 Events (Visual & Sound)
Dimensions	Standard (HWD)	1,890 x 1,027 x 690 mm
	With Lifting (H)	1,780 - 1,980 mm
Weight	Standard	83 Kg
	Maximum	98 Kg
Warranty	Main unit	2 year

Model		BT-400	BT-450
Category		Phototherapy	
Blue LED Peak Wavelength		450 nm to 475 nm	455 nm to 465 nm
Intensity	Low	25 to 35 μW/cm²/nm	30±10 μW/cm²/nm
	High	35 to 55 μW/cm²/nm	60±10μW/cm²/nm
Operation Time		100,000 hours life time	10 hours battery run time
Effective Illuminated area		40 x 20 cm above 40cm	40 x 10 cm
Audible Noise		< 30 dB (Fan less)	43 dB alarm sound
Shade*		Covers Incubator and Warmer	-
Cart*		Height : 74 to 118 cm	-
General	Display	2.4" TFT Color LCD	
	Timer	30 min. to 999 hours	30 min. to 24 hours
Dimension(HWD)	Head	75 x 340 x 210 mm	-
	Cart*	1000 x 430 x 520 mm	-
	Control Box	-	85 x 185 x 25 mm
	Pad	-	120 x 455 x 10 mm
Weight	Main Unit	3.6 kg	-
	Main Unit & Cart	13 kg	-
	Control Box	-	360 g
	Pad	-	510 g
Warranty		2 years(Main Unit)	1.5 years (Control Box), 8 months (Pad)

BIO SIGNAL TOTAL SOLUTION

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