



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 necessities for infant care.

- Two skin temperature measures both temperature from belly and peripheral.

*Option



Basket*



Peripheral temperature

BT-550 Infant Warmer



- 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



Swivel head



Tilting*



Removable wall



LED examination light

*Option

BT-400 Phototherapy



Adjustable position



8 Power LED



Mobile design

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



with Cart



with IV pole



with Incubator

Technical Specification

* Option

Model		BT-500
Category		Infant Incubator
Air Temp.	Control	Normal : 23 - 37°C Override : 37.1 - 39°C
	Measurement	20 - 45 ±0.5°C
Skin Temp.	Control	Normal : 35 - 37.5°C Override : 37.6 - 39°C
	Measurement	25 - 45 ±0.3°C
Humidity	Control	30 - 95%
	Measurement	15 - 99 ±5% RH
	System	Steam (Boiling at 100°C)
	Water Tank	1,000ml (Autoclavable)
Scale *	Measurement	0 - 10Kg ±10g
	Trend	216 Hour
O ₂ *	Control	21 - 65 ±5%
	Measurement	18 - 100 ±5%
Masimo SpO ₂ *	Measurement	1 - 100% ± 3% (70-100%) Unspecified (0~69%)
	Accuracy	
	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
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

Model		BT-550
Category		Infant Warmer
Temp. Control Mode		Prewarm / Baby / Manual
Skin Temp.	Control	34 - 38 °C
	Measurement	26 - 42 ±0.3°C
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
Scale *	Measurement	> 7,000 lx
	Measurement	0 - 10Kg ±10g
Masimo SpO ₂ *	Measurement	1 - 100% ± 3% (70-100%) Unspecified (0~69%)
	Accuracy	
	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)
	Self Test	Power On
	Leveler	Bubble type
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
Category		Phototherapy
Light Source		Blue LED
Wavelength		Peak Between 450 - 475 nm
Intensity	Low	25 - 35 μW/cm ² /nm
	High	35 - 55 μW/cm ² /nm
Intensity Variation (over 6 hrs)		±10%
LED Life Time		100,000 Hour
Effective Surface (at 40cm)		Approx. 40 x 20 cm
Heat output over 6hours		< 10 °C than ambient
Audible Noise		< 30 dB (Fanless)
Clamp		Max. diameter 3.5cm
Shade *		Covers Incubator and Warmer
Cart *		Height : 74 - 118cm
General	Display	2.4" TFT Color LCD
	Time Display	Treatment time, Total used time
	Timer	30 min. - 999 hrs.
Dimensions(HWD)	Head	75 x 340 x 210 mm
	Cart	1000 x 430 x 520 mm
Weight	Main unit	3.6 Kg
	Main unit & Cart	13 Kg
Warranty	Main unit	2 year



BIO SIGNAL TOTAL SOLUTION

Bistos Co., Ltd. (Headquarter)

7th Fl., A Bldg., Woolim Lions Valley 5-cha, 302,
Galmachi-ro, Jungwon-gu, Seongnam-si,
Gyeonggi-do, Korea

Tel. +82 (31) 750 0340

Fax. +82 (31) 750 0344

bistos@bistos.co.kr

www.bistos.co.kr

Bistos America Inc. (US Branch)

22941, Triton Way, Suite #242, Laguna Hills, CA., USA 92653

Tel. +1-949 614 8745

Fax. +1-949 614 8745

Site. www.bistosamerica.com

E-mail. info@bistosamericainc.com