

Specification: B3



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Neonatal Incubator

B3



Standard Configuration:

Humidity control, Temp (skin temperature & incubator air temperature), O2 concentration monitoring

Optional Configuration:

Weight scale, Apnea monitoring, Apnea awaking, Servo oxygen supply, Damping doors

Safety Standards

ISO 13485:2003 approved, MDD 93/42/EEC as amended by MDD 2007/47/EC

Physical Characteristics

Size:	1130mm×570mm×1350mm
Weight:	83kg
Mattress size:	408mm*635mm*20mm
Side panel:	761mm*325mm
Access door:	212mm*175mm
Screen Size:	8" TFT touch screen
Resolution:	800 × 600
Water Tank	
Capacity:	≥1L
Tray and bracket:	Optional
X-ray tray:	Available
Humidifier:	Available
Drawer:	Available
Caster wheel	four brakes

Operation Environment

Working Temp	20~30°C
Humidity	Relative humidity: 10% to 95% (noncondensing)
Air flow:	≤0.3m/s
Power Supply	100-240V~, 50/60Hz±1Hz
Battery Type	Rechargeable Lithium-ion battery
Battery Capacity	2200mAh
Battery Recharging Time	At least 2 hours in normal conditions;

Battery backup

2 hours for continuous working (such functions as heating, humidifying shall be excluded)

Indicator:

One alarm indicator
Power indicator
Battery indicator
Alarm sound
Operating key sound

Interface:

Parameter cable interface
AC power input
Three auxiliary power output
USB port
Oxygen input(optional)
Oxygen cell calibration(optional)

Date storage:

Alarm Review:	200 groups
Power-off storage:	Yes
Alarm:	User-adjustable High and Low 3-level Limits; Prioritized audible and visual alarm

Temperature Control

Setting range:	35.0~37.5°C (Infant mode) 25.0~39.0°C (Air Mode)
	Set temperature exceeds 37°C, should press the display the "> 37°C"

key, and then confirmed by the interface pop-up window to enter

Measurement range:	25.0~45.0°C
Resolution:	0.1°C
Accuracy:	Air temp sensor: $\pm 0.3^{\circ}\text{C}$ Skin temp sensor: $\pm 0.1^{\circ}\text{C}$ (37~39°C)
Alarm range:	34~38.5°C (Infant mode) 23~41°C (Air Mode)
Heating time:	≤ 35 mins (Temperature inside the thermostat cover rises from 25°C to 36°C)
Humidification time:	< 20 mins (In indoor environment conditions of 25°C, 50% relative humidity, reach to 33°C, 85% relative humidity)
Operation without adding water time:	≥ 12 hours (full water tank, environment: 25°C indoor temp, 50% relative humidity, humidity is set to 65%)

Humidity Control

Relative humidity range:	30%~95%
Resolution:	1%
Accuracy:	$\pm 5\%$ (Set humidity less than 85%); $\pm 10\%$ (Set humidity over than 85%)
Alarm:	Audible and visual alarm; alarm events reviewable

Features

Air flow rate inside thermostat cover:	$\leq 0.2\text{m/s}$
Work mode:	Air/ Infant
Bed tilt range:	-10 ~ +10°
Input voltage	100-120V~ or 200 - 240V~
Input current	10A or 6.6A
Input frequency	50/60 Hz

Auxiliary output supply

Output voltage	220~240 V~
Output frequency	50/60 Hz
Output current	0.9A

Oxygen Servo-Controller

Setting range and accuracy:	21~60%, $\pm 5\%$
Measurement range:	10~100%
Measurement accuracy:	$\pm 2\%$
O2 supply pressure:	0.27~0.7MPa
O2 Concentration	Available
Calibration:	

Weight Scale

Measurement Range:	300g~8000g
Resolution:	1g
Accuracy:	$\pm 10\text{g}$
Trend View:	7days

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