

## Neonatal Care Products

### Infant Incubator BK-3201

#### Introduction:

Infant incubator is one of the important equipment used in medical institutions. It is mainly used for constant temperature cultivation, temperature resuscitation, oxygen delivery, rescue, hospitalization and observation of sick infants and premature infants. It is used in hospitals, confinement centers, neonatology, etc.

#### Features:

- \* LCD display
- \* Double control modes of bed temperature and skin temperature
- \* Double-layer thermostatic cover, automatic air curtain device
- \* Humidity control function
- \* Air & Oxygen blender
- \* Oxygen supply system
- \* Baby cot is infinitely adjustable
- \* 24 kinds of sound and light alarm, comprehensive protection of baby safety



#### Technical Parameters:

Item	Specifications
Power supply	AC220V, 50/60Hz(Standard) 1320VA; AC110V, 60Hz(Optional)
Size (L*W*H)	950*645*(1250-1450)mm
Maximum heater output power (220VAC)	Air chamber heater: 330W; Water tank heater: 155W
Auxiliary network power output	AC220V/50Hz, Both maximum permissible currents are 220V 1.5A
Heater indication	0~100%, 10% increasing amount
Temperature control mode	Bed temperature mode; The skin temperature mode
Bed temperature control temperature range	25.0~37.0°C; 37.1~39.0°C(Span Mode)
Skin temperature control range	34.0~37.0°C; 37.1~38.0°C(Span Mode)
Skin temperature sensor temperature display range	5.0~65.0°C
Heating time	≤ 50min
Temperature variability	≤ 0.5°C
Temperature uniformity (mattress in horizontal position)	≤ 0.8°C
Temperature uniformity (mattress in tilted position)	≤ 1.0°C
Difference between average incubator temperature and control temperature	≤ 1.5°C
Skin temperature sensor accuracy	±0.3°C

Humidity Control	The running time of the tank after it is filled with distilled water	Humidity below 70%RH, at least 24h
	Water tank capacity	1500ml
	Humidity display range	0%RH~99%RH
	Humidity control range	CAH%RH~90%RH(1% per adjustment)
	Humidity control accuracy	±10%
Oxygen Concentration Control	Oxygen concentration display range	0%~99%
	Oxygen concentration display resolution	1%
	Oxygen concentration control accuracy	±5% oxygen volume concentration
	Oxygen concentration setting range	21%~60%(1% per adjustment)
	Oxygen sensor service life	The maximum use time is 10000h at 100% oxygen concentration
Transport Storage	Temperature	-20°C~+55°C
	Atmospheric pressure range	500hPa~1060hPa
	Relative humidity	≤93%RH
	Packing size/ Gross Weight	1150*800*1600mm 190kg
	Relative humidity	30%RH~75%RH
The Work Environment	The environment temperature	+20°C~+30°C
	Pressure range	700hPa~1060hPa
	Service altitude	≤2000m
	Over voltage category	II
	Pollution levels	2
Other Indicators	Ambient air velocity	≤ 0.3m/s
	Environmental noise in incubator baby compartment	No more than 55dB(A) at stable temperature
	Carbon dioxide concentration in the infant compartment	A mixture of 4% carbon dioxide and air was fed into an 8mm diameter tube in the vertical direction from the mat to the top of the box at 750mL/min to a point 10cm above the mattress center and 10cm above the center. The concentration was less than 0.5% after stabilization
	The velocity of air flow over a baby's mattress	≤0.35m/s
	General Alarm	Power failure alarm, fan alarm, sensor alarm, deviation alarm, over temperature alarm, water tank placement error alarm, water shortage alarm
The System Alarm	Mcu1 and Mcu2 communication error alarm, Mcu2 and Mcu3 communication error alarm, analog-to-digital conversion chip 2544 failure alarm, analog-to-digital conversion chip 2548 failure alarm, over temperature alarm, temperature heating system failure, humidity heating system failure	

#### Configuration:

Model	Type I+	Type I	Type II	Type III	Type IV
Temp. Control	Bed/Skin temperature	Bed/Skin temperature	Bed/Skin temperature	Bed/Skin temperature	Bed/Skin temperature
Display	LCD	LCD	LCD	LCD	LCD
Bed Temp. Control Range	25°C~39°C	25°C~39°C	25°C~39°C	25°C~39°C	25°C~39°C
Skin Temp. Control Range	34°C~38°C	34°C~38°C	34°C~38°C	34°C~38°C	34°C~38°C
Humidity Control Range	CAH%~99%RH	CAH%~99%RH	CAH%~99%RH	/	/
Oxygen Control Range	21%~99%	21%~99%	/	/	/
Cabinet	Yes	Yes	Yes	Yes	Yes
Height Adjustable	Yes	/	/	/	/