BioLAB

PRODUCT CATALOG

INFANT INCUBATOR BIIC-801

CE ISO9001 CERTIFIED

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INFANT INCUBATOR BIIC-801

Infant incubators are designed to support developmental care for newly born babies. A controlled environment with automatic and precise temperature controls and active humidifiers for observation and care.
Used in Hospitals.
Also known as Isolette, Humidicrib, Baby incubator, NICU incubator, Neonatal Incubator.

BIIC-801 INFANT INCUBATOR

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

SPECIFICATIONS

Model	BIIC-801
General parameters	
Temperature control mode	Bed temperature mode; skin temperature mode
Bed temperature control 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 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
Heater indication	0~100%, 10% increasing amount
Auxiliary network power output	AC220V/50Hz, both maximum permissible currents are 220V 1.5A
Maximum heater output power (220VAC)	Air chamber heater:330W; Water tank heater:155W
Size	950x645x(1250-11450) mm
Power supply	AC220V,50/60Hz(Standard) 1320VA; 110V 60Hz (Optional)
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	1500 ml
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	1.00%
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℃~+55℃
Atmospheric pressure range	500hPa~1060hPa
Relative Humidity	≤93%RH
Packing size/ Gross Weight	Base packing size: 1200x800x870mm 50Kg Body packing size: 1100x710x855mm 60Kg
The work environment	
Relative humidity	30%RH~75%RH
Environment temperature	+20℃~+30℃
Pressure range	700hPa~1060hPa
Service altitude	≤2000 m
Overvoltage category	II
Pollution level	2
Ambient air velocity	≤ 0.3m/s
Other indicators	
Ambient noise in the infant compartment of the incubator	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 the baby 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
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
Temp. Control	Bed/Skin temperature
Display	LCD
Bed Temp. Control Range	25℃-39℃
Skin Temp. Control Range	34℃-38℃
Humidity Control Range	CAH%~99%RH
Oxygen Control Range	21%-99%
Cabinet	Yes

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