AI-3
Infant Incubator

Features

1. 8" LCD display
2. Temperature monitoring
3. Temperature servo control
4. Humidity Monitoring
5. Humidity Servo Control
6. Air temperature and body temperature control two modes
7. Mattress tilt ±12 °
8. Ergonomic designed handle with perfect height
9. Trend for 2, 4, 8, 12, 24 hours and up to 7 days
10. Front and rear double-walls and air curtain
11. Ergonomic design 360° rotatable storage drawer
12. Auxiliary Power Output*3

Technical Specifications

Performance

Air flow velocity across mattress < 10 cm/sec
Temperature rise time at 22°C (72°F) ambient < 35min (From 22°C, 50%RH, to 35°C)
Temperature variability < 0.5°C
Temperature overshoot < 0.5°C maximum
Temperature uniformity with a level mattress < 0.8°C
Operating noise level in hood ≤45dBa
Carbon Dioxide (CO_2) Level <0.5%

Hood

Tubing access ports: 10
Access door size: 18cm x 13cm

Mattress to hood height: 48.0mm

Soft bed mattress size: 73.6cm x38.6cm x1.8cm

Temperature control modes: Skin and air temperature control mode

Air mode control temperature range: 20°C-37°C

Air mode control override temperature range: 37°C-39°C

Air mode control accuracy ≤±1.0°C

Skin mode control temperature range: 34°C-37°C

Skin mode control override temperature range: 37°C-38°C

Skin temperature accuracy: ±0.3°C

Dual-skin temperature monitoring: Yes

Servo Humidity

Humidity control range: 30%-95% RH

Humidity control operating time without refilling: 24 hours

Humidity control reservoir capacity: 1500ml

Humidity display accuracy: ±5%RH

Humidity control accuracy: ±5% RH

Servo Oxygen (Optional)

Oxygen control range: 21 % to 65%

Oxygen display accuracy of full scale: ±2%

Oxygen control accuracy (100% calibration): ±3%

Oxygen control accuracy (21% calibration): ±5%

Oxygen display resolution: 1%

Scale (Optional)

Weight range: 300g to 8kg

Weight display resolution: 1g

Weight accuracy: ±10g

Operating Environment: 20°C to 30°C

Humidity: 10 to 95% RH

Air Velocity: Up to 0.3m/sec

Backup battery (Optional)

Battery: 2600mAh, 14.8V, 38Wh

This battery is to keep screen, motor and alarm operation after power failure for more than 30 mins, heating and humidification functions are not supported