

AVANTE

# Infantia NB500

## Infant Incubator

The Avante Infantia NB500 Incubator is specifically designed for infants, offering precise thermoregulation with control over temperature and humidity. It creates an optimal recovery environment for neonates with minimal noise. With an ergonomic design, the Infantia NB500 ensures extreme comfort for patients.

### FEATURES

- Double pane walls and door for superior climate control and efficient heat insulation
- Large 7" LCD display
- Servo-control air, skin, and humidity temperature control
- Mattress tilt control 12°, Trendelenburg
- Black Box Technology: Patient data is saved in the internal memory drive for up to 728 days
- Built in X-Ray tray
- Includes IV Pole, tray, and drawer as standard accessories
- Height lift adjustment (optional)
- Scale (optional)
- Masimo SpO2 (optional)



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### SPECIFICATIONS



**Weight:**  
Approx. 218.92 lbs  
(99.3 Kg)



**Height:**  
53.31 inches  
(135.4 cm)

**Width:**  
40.31 inches  
(102.4 cm)

**Depth:**  
27.17 inches  
(69 cm)



**Air Control Range:**  
Normal 73.4 ~ 98.6°F,  
Override 98.78 ~ 102.2°F

**Air Measurement Range:**  
68 ~ 113°F ±32.9°F

**Skin Control Range:**  
Normal 95 ~ 99.5°F,  
Override 99.68 ~ 102.2°F

**Skin Measurement Range:**  
77 ~ 113°F ±32.54°F



**Display:**  
7" TFT color LCD

**Alarm:**  
System, temperature, and  
humidity alarms

## Humidity Control

Control Range: 30 ~ 95%

Measurement Range:  
15~99% ±5% R  
(non-condensing)

Control system:  
Steam (boiling at 100°C)

Water Box (humidity reservoir):  
1,000 ml (autoclavable)

## Function

Trend:  
9~72 hours  
(weighing scale 9 days)  
2, 4, 8, 12, 24 hours  
trend selection

Warm-up Time:  
Silent Mode: 60 min.  
Normal Mode: 45 min.  
Fast Mode: 30 min.

Alarm (visual & sound):  
27 events alarms  
Stop alarm 4, 5, 15 minutes  
according to alarm

## Shelf (Option)

Dimensions:  
8.6(W) x 13.1(D) x 1.4(H) in

Weight: Approx. 6 lbs  
Weight Limit: Approx. 6.6 lbs

## IV Plate (Option)

Dimension:  
18.9(W) x 15.8(D) x 29.8(H) in

Weight: Approx. 11 lbs

Plate Dimension:  
15.8(W) x 11.9(D) in

Weight Limit: Approx. 24.25 lbs

## IV Pole (Option)

Dimension:  
11.8(W) x 12.2(D) x 28.3~42(H) in

Weight: Approx. 5.5 lbs

## O2 Measurement (Option)

Measurement Range: 18 ~ 100% ±5%

## Weighing Scale (Option)

Measurement Range:  
0 ~ 22 lbs ±0.1 lbs

Dimensions:  
31.9(W) x 15.7(D) x 1.8(H) in

Weight: Approx. 12.8 lbs

Alarm: Too much weight

## Hood

Mattress Tilt: up to 12°

Noise level:  
Silent Mode: <45dB  
Normal Mode: <55dB  
Fast Mode: <66dB

Air Velocity Over the Mattress:  
<0.3m/s

Air Filter Particle Size: 0.3 micron

Air Filter Efficiency: 99.8%

## Power

Input: AC 110/220, 50/60Hz

Consumption: 1200VA

Internal Battery:

3.7 V, 2,600 mA Li-ion  
Alarm sounds for 30 minutes  
while no power

## O2 Servo Control (Option)

Control Range: 21 ~ 65% ±5%

Max. Inlet Pressure: 120 PSI

Hose Diameter:  
8, 9.5, 11, 13mm  
(use only oxygen hose)

Alarms:

O2 module power failure  
O2 module detached  
O2 sensor fault  
Low oxygen  
High oxygen

## Basket (Option)

Dimensions:  
18.3(W) x 19.3(D) x 9.5(H) in

Weight: Approx. 9.5 lbs

Weight Limit: Approx. 22 lbs

Partition Dimension:  
15.4(W) x 8.1(D) x 2.1(H) in

Partition Weight: Approx. 1 lb

## Masimo SpO2 & External Monitor (Option)

Display: 7" TFT Color LCD

SpO2 Range: 1~ 100%

SpO2 Accuracy:  
70 ~ 100% ±3digits  
0 ~ 69% : unspecified

Pulse Rate Range:  
25 ~ 240bpm ±3digits

CCD Camera: 510 x 492 pixels

Dimension:  
14.4(W) x 1.4(D) x 33(H) in

Weight: Approx. 6.6 lbs

Tilt Angle: +30° ~ -50°

Swivel Angle: +180° ~ -140°

Alarms:

Open LEDs  
Shorted LEDs  
Interference detected  
Low SpO2  
No cable  
Sensor off patient  
Unrecognized sensor  
Bad sensor ID offset  
Shorted detector  
High/low pulse rate  
No adhesive sensor  
No sensor connected  
Too much ambient light  
Low perfusion  
Low signal IQ  
Masimo board failure  
Diagnostic failure  
Procal failure