

Incu i

Atom Infant Incubator 101

Main Unit	Add-on Unit
Description	Description
with O ₂ Controller, for AC120V±10%	Weight Monitor Unit (w/NAWI Verification)
with O ₂ Controller, for AC230V±10%	SpO ₂ Unit (Masimo)
without O ₂ Controller, for AC120V±10%	SpO ₂ Unit (Nellcor)
without O ₂ Controller, for AC230V±10%	

Specifications

Power requirements	Custome specified
Power consumption	600VA (Maximum)
Frequency	50/60Hz
Type of protection	Class I
Degree of protection	Type BF applied part
Classification	IIb, Rule 9
Dimensions	Main body (with HL Stand) : 680(W)x1070(D)x1380-1780(H) mm Mattress surface : 800-1200 mm / with Weight Monitor Unit : 815-1215 mm External display : 245(W)x65(D)x160(T) mm Mattress : 650(W)x365(D)x20(T) mm
Weight	Approx. 100Kg / with Weight Monitor Unit : Approx. 104Kg
Noise level	Approx. 41dBA / with Humidification : Approx. 44dBA
Accessories	Skin Temp Probe, 5mm O.D. x 1, Pneumoclean x 1, Dust Cover x 1, Access Port Cover x 2, Oxygen Sensor (with O ₂ Controler) x 2, Piping Connecting Hose 3m (for Oxygen) (with O ₂ Controller) x 1, Operation Manual x 1
Incubator air temp. setting range	23.0-37.0℃ / 73.4-98.6℉ / Override 37.1-39.0℃ / 98.8-102.2℉
Incubator air temp. display range	20.0-42.0℃ / 68.0-107.6℉
Incubator air temp. display accuracy	±0.8℃
Skin temp. setting range	34.0-37.5℃ / 93.2-99.5℉ / Over ride 37.6-38.0℃ / 99.7-100.4℉
Skin temp. display range	30.0-42.0℃ / 86.0-107.6℉
Skin temp. display accuracy	±0.3℃
Heater output	0-100% (in 10 levels)
Relative humidity setting range	40-95%Rh
Relative humidity display range	15-99%Rh
Relative humidity display accuracy	±10%Rh
Alarms	Set temp., Baby check, Skin temp. probe, Humidity sensor, Low water level, No water, Humidity chamber off, Set humidity,

O ₂ Controller	
Control mode	Servo control
Setting range	22~65% (in 1% increments)
Display range	15~105%
Measurement accuracy	±2% O ₂ (15~25%O ₂) ±3% O ₂ (25~100%O ₂)
Calibration	21%O ₂
Alarms	oxygen sensor, oxygen concentration, oxygen flow rate, oxygen sensor not calibrated

SpO ₂ Unit [Masimo/Nellcor] (Add-on Unit)	
SpO ₂	Display range:1~100% Accuracy (in 70-100%)±3% Alarm function setting range Upper limit 50~99%, OFF Lower limit 45~95%, OFF
Pulse rate	Display range:25~240bpm Accuracy (in 25-240bpm)±3% Alarm function setting range Upper limit 80~240bpm, OFF Lower limit 35~180bpm, OFF
Mode (Masimo)	Averaging time: 4.6, 8, 10, 12, 14, 16sec. Sensitivity setting: APOD, Normal, Max FastSat:ON, OFF SatSeconds:10, 25, 50, 100, OFF Response:Normal, Fast
(Nellcor)	

Weight Monitor Unit (Add-on Unit)	
Weighing range	300~7000g
Scale interval	1g (without official Verification) 5g (with official Verification)

Dimensional drawing
Unit:mm

*815~1,215 mm in height with Weight Monitor Unit



Infant Incubator



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Atom Medical Corporation maintains a continuing product improvement program, and therefore the equipment actually purchased and received may differ in specifications and/or configuration from that shown in the catalogue.

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Comfortable Incubator

User friendliness and safety are important features for the healthcare professional.
Standard model to support daily nursing care.



* The drawer shown is optional

Prevention of infection

◆ Easily detachable humidity chamber

The humidity chamber can be detached and cleaned easily.



◆ Sanitary structure for thorough cleaning of the unit

The component parts of the incubator can be detached and cleaned easily.



◆ Mattress platform tilting function

The mattress platform can be tilted without opening the front admittance panel.



◆ Electro static filter

A dirty filter can be checked through the transparent window. The filter is easily exchanged without using any tool.



* The drawer and the F-Rail Pole shown are optional

Safety for the infant is improved.

◆ Double lock system

The double lock system prevents the admittance panel from opening accidentally.



Prevention of temperature loss

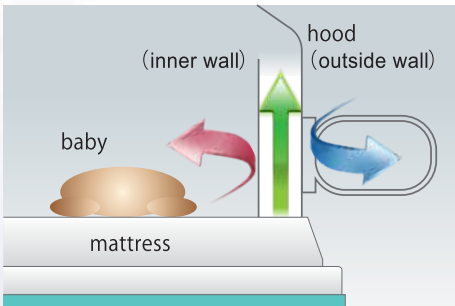
◆ External X-ray cassette tray protects the infant from stress

The X-ray cassette can be drawn out from either side of the incubator without opening the admittance panel.



◆ Air curtain to minimize a drop in the incubator air temperature

The air curtain prevents ambient air from entering the incubator even when a snap-open access ports are opened.



◆ Excellent visibility

Condensation does not accumulate when using continuously high humidification levels.



Basic requirements of an infant incubator

Friendliness

Improve work efficiency and protect the infant from stress.

Reliable performance

Basic features of an infant incubator are incorporated.

Work efficiency of the medical staff is improved



◆ **Make the utmost use of workspace around the incubator**

Peripheral equipment can be easily mounted to the F-rail pole.



◆ **Touch control panel**

Color display offers intuitive operation and easy identification of each parameter.

◆ **Trend display**

The trend display function helps identify changes in the infant's vital signs and the environment within the incubator.
(Air temperature/Skin temp 1, 2./ Relative humidity/Oxygen concentration/ Heater output/SpO2/Pulse rate)

◆ **Weight monitor**

The infant's weight can be measured automatically in the incubator and displayed in 1g increments.



◆ **Compact design**

The compact size enables you to minimise the risk of infection when accessing the infant.

Silent operation for developmental care.



◆ **Rotary damper for silent operation of the admittance panel**

The admittance panel can be pulled down slowly and silently to reduce the infant's stress from acoustic stimulation.

◆ **Snap-open access ports can be opened and closed silently**

The infant is protected from the stress of acoustic stimulation caused by opening and closing the access ports.

