

*Dual Incu*j**

Infant Incubator



New Generation

The new generation infant incubator has inherited the highest quality features and state-of-the-art technology, meeting the various requirements of the healthcare professional.

Incubator mode



Infant Warmer mode



* The drawer shown is optional

The Dual Incu i can perform in a wider range of hospital settings through the incubator mode and infant warmer mode.

Open-care

Superior performance as an infant warmer enables better medical treatment.



Transport

The same environment in the NICU can be provided even during transportation.



Closed-care

The Dual Incu i reduces the infant's stress and supports daily care giving.



◆ Power Pack i

Power pack i can maintain appropriate temperature and humidity while in motion, unexpected power failure or power problems.

The advanced, high quality features of an incubator facilitate daily care giving.

Basic performance as an incubator.



◆ Compact design

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

◆ X-Ray cassette tray port

An external X-Ray cassette tray prevents a drop in the incubator air temperature. The X-Ray cassette can be drawn out from either side of the incubator without opening the front admittance panel.



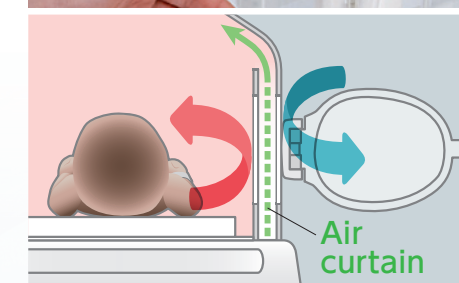
◆ Double lock system

The double lock system of the admittance panel prevents the infant from falling out of the incubator accidentally.



◆ Air curtain of access port

Air curtain to minimize a drop in the incubator air temperature. The air curtain prevents ambient air from entering the incubator even when the snap-open access ports are opened.



◆ Mattress platform tilting function

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



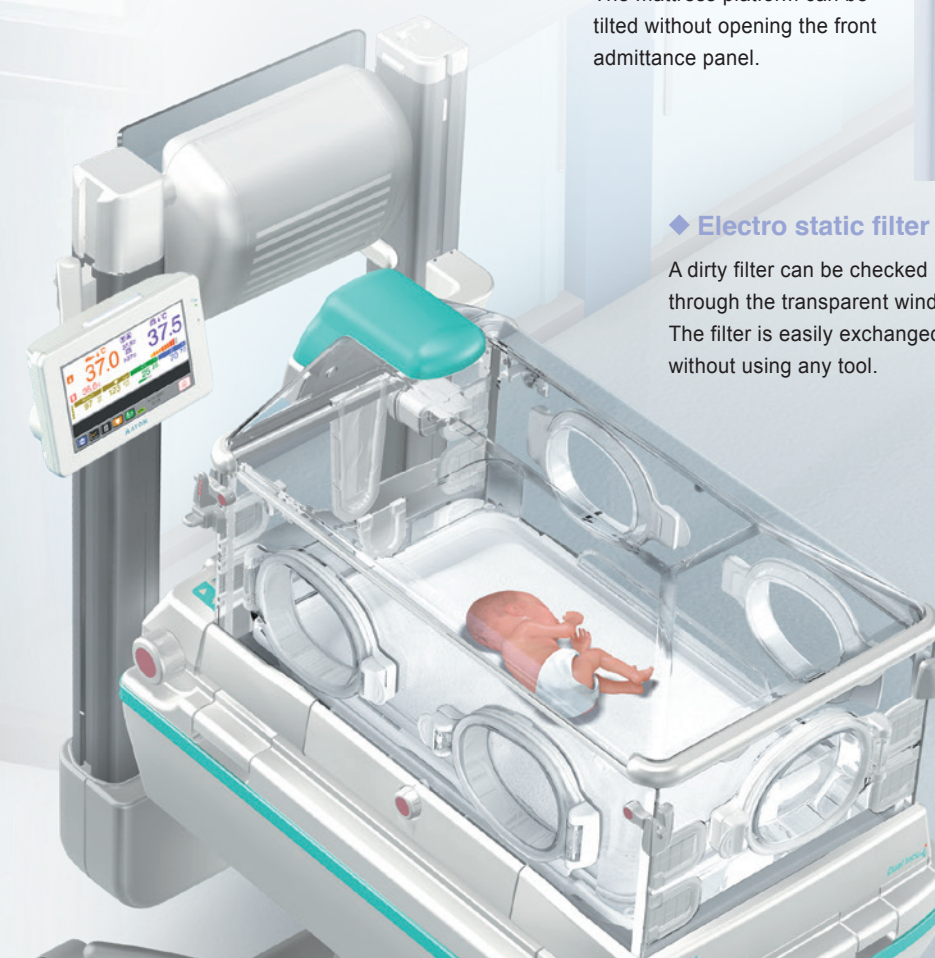
◆ Electro static filter

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



◆ Excellent visibility

Excellent visibility is available from the large transparent hood even during humidification.



Work efficiency of the medical staff is improved.



- ◆ **Make the utmost use of workspace around the incubator**
Peripheral equipment can be easily mounted. Data can be communicated to external devices such as bedside monitors.

◆ **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)



◆ **Easily detachable humidity chamber**

The humidity chamber can be detached and easily cleaned.



◆ **Sanitary structure for thorough cleaning of the unit**

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



◆ **Weight monitor**

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



Developmental care

The Dual Incu i ensures noise levels are kept to a minimum, maintaining a quiet environment to minimise the infant's stress.

◆ **Rotary damper control for quieter operation of the admittance panel**

The admittance panel can be dropped down slowly and silently to reduce infant noise stress.



◆ **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.



Superior performance as an infant warmer enhances the value of the dual-mode type incubator.



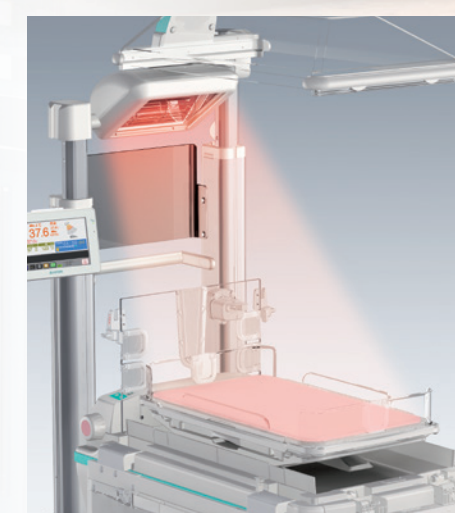
◆ Enables prompt treatment at the delivery room and NICU

Superior performance as an infant warmer enables better medical treatment.



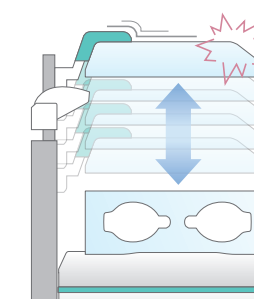
◆ The functions for resuscitation are well-supported

Resuscitation can be easily performed using the optional resuscitation unit.



◆ Heating

The mattress is warmed uniformly and enables stable thermal management.



◆ Electrical canopy lift

When the canopy is moved up or down in order to change the operation mode, the operator can stop the up/down movement at any time. Furthermore, if there is any obstacle during the movement, the canopy is automatically stopped for safety reason.

Products Lineup

Dual Incu *i*

Atom Infant Incubator 100

Main Unit

Atom's code	Description
61600	with O ₂ Controller, for AC120V±10%
61601	with O ₂ Controller, for AC230V±10%
61602	without O ₂ Controller, for AC120V±10%
61603	without O ₂ Controller, for AC230V±10%

Add-on Unit

Atom's code	Description
61615	Weight Monitor Unit (w/NAWI Verification)
61621	SpO ₂ Unit (Masimo)
61622	SpO ₂ Unit (Nellcor)

Specifications

Power requirements	Customer specified
Power consumption	800VA (Maximum)
Frequencies	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)x1190(D)x1380~2260(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. 128Kg / with Weight Monitor Unit : Approx. 132Kg
Noise level	Approx. 41dBA / with Humidification : Approx. 44dBA
Accessories	Skin Temp Probe, 5mm O.D.1, Pneumoclean1, Dust Cover1, Access Port Cover2, Oxygen Sensor (with O ₂ Controller)2, Piping Connecting Hose 3m (for Oxygen) (with O ₂ Controller)1, Operation Manual1
Incubator air temp. setting range	23.0~37.0°C / 73.4~98.6°F / Override 37.1~39.0°C / 98.8~102.2°F
Incubator air temp. display range	20.0~42.0°C / 68.0~107.6°F
Incubator air temp. display accuracy	±0.3°C
Skin temp. setting range	[Incubator mode] 34.0~37.5°C / 93.2~99.5°F / Over ride 37.6~38.0°C / 99.7~100.4°F [Infra Warmer mode] 34.0~37.5°C / 93.2~99.5°F / Over ride 37.6~38.0°C / 99.7~100.4°F
Skin temp. display range	[Incubator mode] 30.0~42.0°C / 86.0~107.6°F [Infra Warmer mode] 30.0~42.0°C / 86.0~107.6°F
Skin temp. display accuracy	±0.3°C
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	Power failure, Fan, System, High temp., Set temp., Baby check, Skin temp. probe, Humidity sensor, Low water level, No water, Humidity chamber off, Set humidity, Oxygen sensor

O₂ 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

SpO₂ Unit [Masimo/Nellcor] (Add-on Unit)

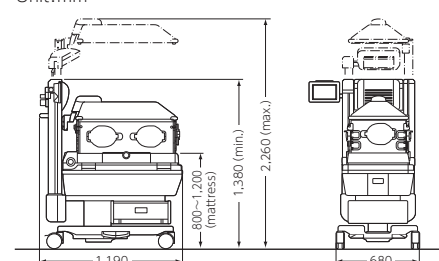
SpO ₂	Display range:1~100% Accuracy (in 70~100%)±3% Alarm function setting range Upper limit:50~99%, OFF Lower limit:45~95%, OFF
Pulse rate	Display range:25~240bpm Accuracy (in 25~240bpm) ±3% Alarm function setting range Upper limit:80~240bpm, OFF Lower limit:35~180bpm, OFF
Mode (Masimo)	Averaging time: 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



Atom Medical products are produced under strict production control in Japan.
We provide value and trust of the highest quality for the tiny baby lives in the world.

ATOM MEDICAL CORPORATION

<https://www.atomed.co.jp/english>