

## Line Up

### ■ Dual Incu *i*

Brand name: Atom Infant Incubator 100

Weight monitor	△*2
Pulse oximeter*1	△*2
Oxygen Control	●*3
Humidity control	●*3

\*1: Both Masimo and Nellcor pulse oximeter are available optionally depending on customer's demand.

\*2: △: Add-on unit

\*3: ●: Standard unit

### Specifications

(Dual Incu *i*)

Power requirements	Main body: Customer specified Power consumption: 800VA (Maximum)
Classification	Class I, Type BF
Temperature control (Incubator mode)	Skin temperature setting range: 34.0~37.5°C/93.2~99.5°F Skin temperature display range: 30.0~42.0°C/86~107.6°F Incubator air temperature setting range: 23.0~37.0°C/73.4~98.6°F Incubator air temperature display range: 20.0~42.0°C/68~107.6°F Heater output: 0~100% (in 10 levels) Alarms: high temperature, set temperature, skin temperature probe
(Infa Wamer mode)	Skin temperature setting range: 34.0~37.5°C/93.2~99.5°F Skin temperature display range: 30.0~42.0°C/86~107.6°F Heater output: 0~100% (in 10 levels) Alarms: set temperature, baby check, skin temperature probe
Pulse oximeter	SpO <sub>2</sub> display range: 1~100% SpO <sub>2</sub> Pulse rate display range: 25~240bpm Alarms: SpO <sub>2</sub> high limit, SpO <sub>2</sub> low limit, pulse rate high limit, pulse rate low limit
Humidity control	Relative humidity setting range: 40~95%Rh Relative humidity display range: 15~99%Rh Maximum relative humidity: ≥90%Rh Alarms: humidity sensor, low water level, no water, humidity chamber off, set humidity
Oxygen control	Oxygen concentration setting range: 22~65% Oxygen concentration measurement range: 15~105% Alarms: oxygen sensor, oxygen concentration, oxygen flow rate, oxygen sensor not calibrated
Weight monitor	Weight measurement range: 300~7000g/0.66~15.4 lb (in automatic mode) Display interval: 1g Weighing mode: manual, automatic
External display	8.5 inches (TFT-LCD)
Dimensions	Main body (with the H.L. stand): 68 (W) × 119 (D) × 138~226 (H) cm Mattress surface: 80~120cm in height Mattress surface (with the weight monitor): 81.5~121.5cm in height External display: 24.5 (W) × 6.5 (D) × 16 (H) cm Mattress: 65 (W) × 36.5 (D) × 2 (T) cm
Weight	Approx. 128kg Approx. 132kg (With weight monitor)
Accessories	Skin temperature probe ... 1 Pneumoclean (electrostatic filter) ... 1 Dust cover (for Dual Incu <i>i</i> ) ... 1 Oxygen sensor ... 2 Piping connecting hose ... 1

### ■ Incu *i*

Brand name: Atom Infant Incubator 101

Weight monitor	△*2
Pulse oximeter*1	△*2
Oxygen Control	●*3
Humidity control	●*3

\*1: Both Masimo and Nellcor pulse oximeter are available optionally depending on customer's demand.

\*2: △: Add-on unit

\*3: ●: Standard unit

(Incu *i*)

Power requirements	Main body: Customer specified Power consumption: 600VA (Maximum)
Classification	Class I, Type BF
Temperature control (Incubator mode)	Skin temperature setting range: 34.0~37.5°C/93.2~99.5°F Skin temperature display range: 30.0~42.0°C/86~107.6°F Incubator air temperature setting range: 23.0~37.0°C/73.4~98.6°F Incubator air temperature display range: 20.0~42.0°C/68~107.6°F Heater output: 0~100% (in 10 levels) Alarms: high temperature, set temperature, skin temperature probe
(Infa Wamer mode)	Skin temperature setting range: 34.0~37.5°C/93.2~99.5°F Skin temperature display range: 30.0~42.0°C/86~107.6°F Heater output: 0~100% (in 10 levels) Alarms: set temperature, baby check, skin temperature probe
Pulse oximeter	SpO <sub>2</sub> display range: 1~100% SpO <sub>2</sub> Pulse rate display range: 25~240bpm Alarms: SpO <sub>2</sub> high limit, SpO <sub>2</sub> low limit, pulse rate high limit, pulse rate low limit
Humidity control	Relative humidity setting range: 40~95%Rh Relative humidity display range: 15~99%Rh Maximum relative humidity: ≥90%Rh Alarms: humidity sensor, low water level, no water, humidity chamber off, set humidity
Oxygen control	Oxygen concentration setting range: 22~65% Oxygen concentration measurement range: 15~105% Alarms: oxygen sensor, oxygen concentration, oxygen flow rate, oxygen sensor not calibrated
Weight monitor	Weight measurement range: 300~7000g/0.66~15.4 lb (in automatic mode) Display interval: 1g Weighing mode: manual, automatic
External display	8.5 inches (TFT-LCD)
Dimensions	Main body (with the stand): 68 (W) × 107 (D) × 138~178 (H) cm Mattress surface: 80~120cm in height Mattress surface (with the weight monitor): 81.5~121.5cm in height External display: 24.5 (W) × 6.5 (D) × 16 (H) cm Mattress: 65 (W) × 36.5 (D) × 2 (T) cm
Weight	Approx. 100kg Approx. 104kg (With weight monitor)
Accessories	Skin temperature probe ... 1 Pneumoclean (electrostatic filter) ... 1 Dust cover ... 1 Access port cover ... 2 Oxygen sensor ... 2 Piping connecting hose ... 1

# Dual Incu *i* Incu *i*



Manufacturer: **ATOM MEDICAL CORPORATION**  
<http://www.atomed.co.jp>

Exporter: **ATOM MEDICAL INTERNATIONAL' INC.**  
Iwakata Bldg., 3-18-16, Hongo, Bunkyo-ku, Tokyo, JAPAN  
Phone: + 81 3 3815 2941 Fax: + 81 3 3812 9670/4080  
URL: <http://www.atom-ami.co.jp>

# New Generation

The next-generation infant incubator, which has inherited the highest quality and state-of-the-art technology, will meet the various requirements from the coming medical fields.



\* The drawer shown is optional

The Dual Incu i can perform at a wider range of medical fields through the incubator mode and infant warmer mode.

Medical treatment

Superior performance as an infant warmer enables better medical treatment.



- **CPR timer to support the resuscitation algorithm**  
CPR timer is complied with international resuscitation consensus.
- **Preheating function for sufficient mattress warming**  
Preheating function provides the sufficient mattress pre-warming for postnatal care.

Transportability

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



- **Power pack i\***  
Power pack i can maintain appropriate temperature and humidity during transportation, unexpected power failure or power problems.
- **Cylinder holder\***  
Cylinder holder which can be attached to the F-Rail provides easily resuscitation during transportation.

\*Optional

Normal Operation

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



- **touch control panel**  
The touch control panel can be operated smoothly from either side of the incubator with superior visibility.
- **Built-in oxygen controller and pulse oximeter\***  
The built-in oxygen controller and the pulse oximeter\* support easily and safety administration of oxygen.

\*Optional

**Incubator mode**

The advanced features and high quality as an incubator helps daily nursing care more comfortable.

Operability

*Work efficiency of the medical staff is improved.*

- **Compact design**  
Compact design offers the accessibility from either side of incubator and prevents you from inserting your elbows during medical treatment.
- **F-Rail to ensure more work space.**  
Peripheral medical devices can be attached easily.
- **Weight monitor**  
Infant's weight can be measured automatically in the incubator and displayed in 1g measurement unit.



Weight monitor

Friendliness to the patient

*The infant's stress is reduced.*

- **Snap-open access port which can be opened and closed very silently**  
The infant is protected from the stress due to acoustic stimulation caused by opening and closing the access port.
- **X-ray cassette tray to minimize a drop in the incubator air temperature**  
The X-ray cassette can be drawn out from either side of the incubator without opening the admittance panel.



Snap-open access port

Safeness

*The infant is prevented from falling out of the incubator.*

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



Double lock

**Infant Warmer mode**

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

Operability

*Medical treatment can be given safely and easily.*

- **A single switch operation to raise the canopy**  
Medical treatment can be given safely and quickly.
- **Safer and more efficient resuscitation**  
Quickly resuscitation is probable at an emergency case.
- **Far infrared heater to warm the infant evenly**  
The far infrared heater has higher thermal efficiency than a near infrared heater.



Friendliness to the patient

*The infant's stress is reduced.*

- **Pressure-relieving mattress**  
Pressure-relieving mattress can reduce the infant's stress by bedsores.
- **Rotary damper for more silent operation of the admittance panel**  
The admittance panel can be pulled down slowly and silently to reduce the infant's stress from the acoustic stimulation.



Rotary damper

Safeness

*Nosocomial infection to the neonate is minimized.*

- **Sanitary structure for thorough cleaning of the unit**  
The component parts of the incubator can be detached and cleaned easily, so that the incubator can be kept clean all the time.



Cleaning the canopy

# To Save a Tiny Baby Life

The standard model developed through nurses' eyes. The Incu i helps achieve safer and more comfortable NICU care.



\* The drawer shown is optional



## Basic features

Excellent operability and functionality of the incubator support daily nursing care.

- **Compact design**  
Compact design offers the accessibility from either side of incubator and prevents you from inserting your elbows during medical treatment.
- **Built-in oxygen controller and pulse oximeter\***  
The built-in oxygen controller and the pulse oximeter\* support easily and safety administration of oxygen.
- **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.
- **X-ray cassette tray to protect the infant from the stress**  
The X-ray cassette can be drawn out from either side of the incubator without opening the admittance panel.

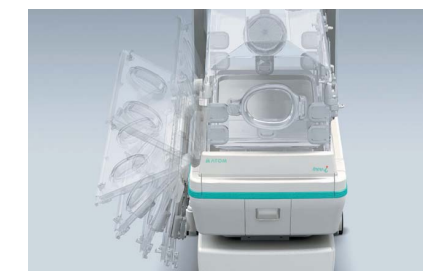


\*Optional  
\*The drawer and the F-Rail Pole shown are optional.

## Comfortable-ness

The Incu i improves work efficiency of medical staff and protects the infant from the stress.

- **F-Rail to ensure more work space**  
Peripheral medical devices can be attached easily.
- **Rotary damper for more silent operation of the admittance panel**  
The admittance panel can be pulled down slowly and silently to reduce the infant's stress from the acoustic stimulation.
- **Snap-open access ports which can be opened and closed very silently**  
The infant is protected from the stress due to acoustic stimulation caused by opening and closing the access ports.



Rotary damper  
\* The drawer and the F-Rail Pole shown are optional.

## Safeness

The Incu i provides an optimal environment to the infant.

- **Double lock system**  
The double lock system of the admittance panel prevents the infant from falling out of incubator accidentally.
- **Easily detachable humidity chamber**  
The humidity chamber can be detached and cleaned easily.



Humidity chamber