

Endless love
To Guard The New Life Safe



YP-2100B

Infant Incubator



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**Integrate incubating and monitoring,
care for premature and low birth weight infants**

Infant incubator + neonatal monitor, more powerful functions.

Not only help to establish a suitable environment for treatment, but also follow up on vital signs monitoring at all times, and professionally create a comprehensive NICU solution.

01. INFANT INCUBATOR MODULE

Life care with love, starting from the newborns

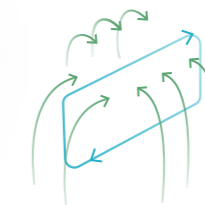
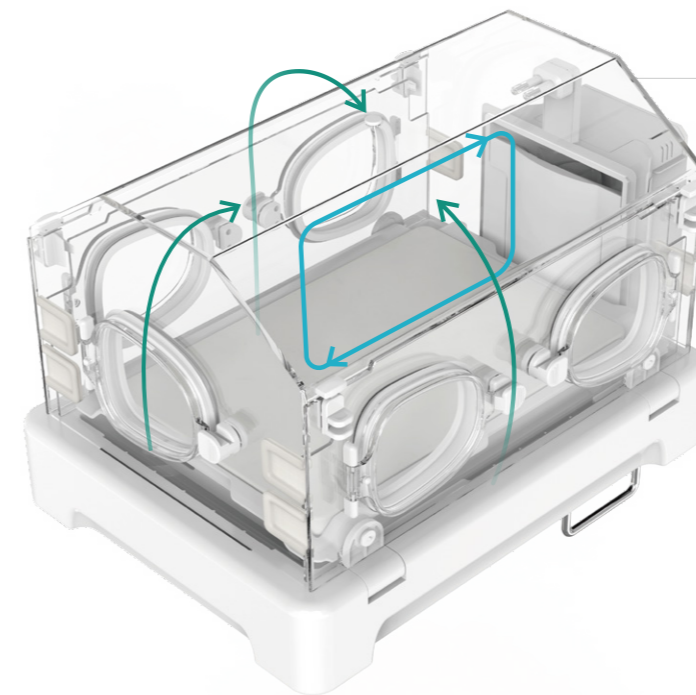
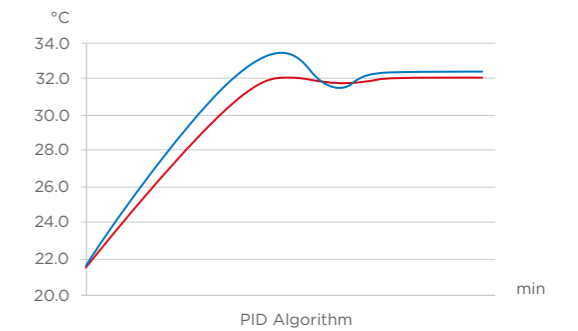
01 Upgraded core algorithm and high-level simulation of maternal incubation environment

Equipped with an embedded smart control system, multiple CPUs are used together to interact and correct monitoring information in a timely manner to achieve precise control of temperature, humidity, and oxygen concentration, creating a stable and suitable incubation environment for newborns.

- The updated PID core algorithm makes the temperature fluctuation in the incubator more stable.

Before the core algorithm is upgraded

After the core algorithm is upgraded



- The scientific design of 270° warm air inhalation mode creates an advanced air circulation system to minimize heat loss during the nursing process.

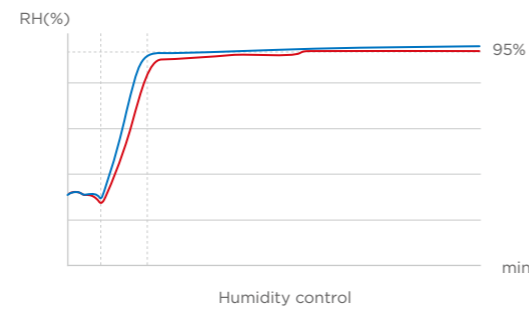


■ 7-channel temperature sensor monitoring: by monitoring the ambient temperature, heater temperature, two-channel air temperature and three-channel skin temperature, the heating system can be controlled to quickly rise the temperature.

■ Servo oxygen supply can be calibrated with single click (21% or 100%), and the oxygen concentration can be quickly increased to the set value.

Optional

■ Humidity sensor collects effective data in real time, quickly reaching 95% humidification effect.



David YP-2100B

Other brands



■ Equipped with an external humidification water bag to reduce contact with external air, and use high-temperature steam humidification to inhibit the growth of bacteria and greatly reduce the risk of infection.

The humidification water tank made of Teflon material, combined with the self-cleaning and self-disinfection mode, saves more maintenance costs, and has superior non-stick feature and high temperature resistance, effectively extending the service life.



02 Safe operation, committed to creating a bacteriostatic environment in the incubator



System protection



Hardware protection



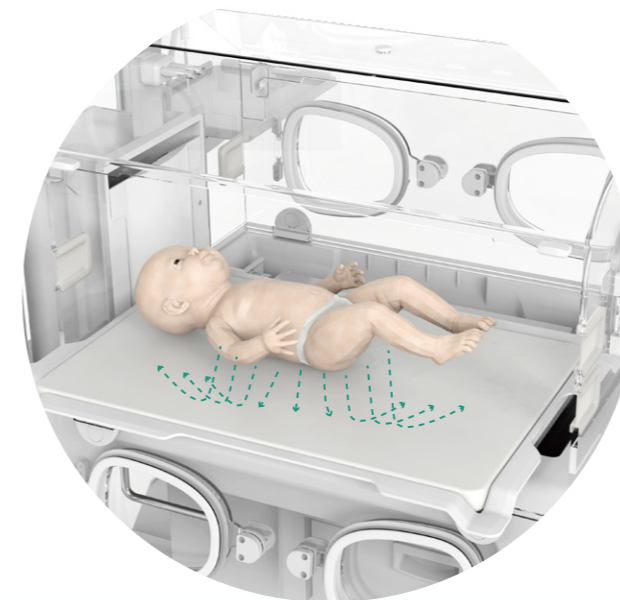
Mechanical protection

■ Independent over-temperature protection system and timely activation of sound-light alarms, providing multiple safety protections.



■ Built-in filtering device can effectively filter more than 99% of dust, creating an antibacterial environment in the incubator, and facilitating disassembling and replacement.

03 User-friendly design builds a comfortable treatment environment



■ Pressure-relief anti-decubitus mattress is made of TPU material, which is antibacterial and waterproof, soft and breathable, caring for the tender skin of newborns.

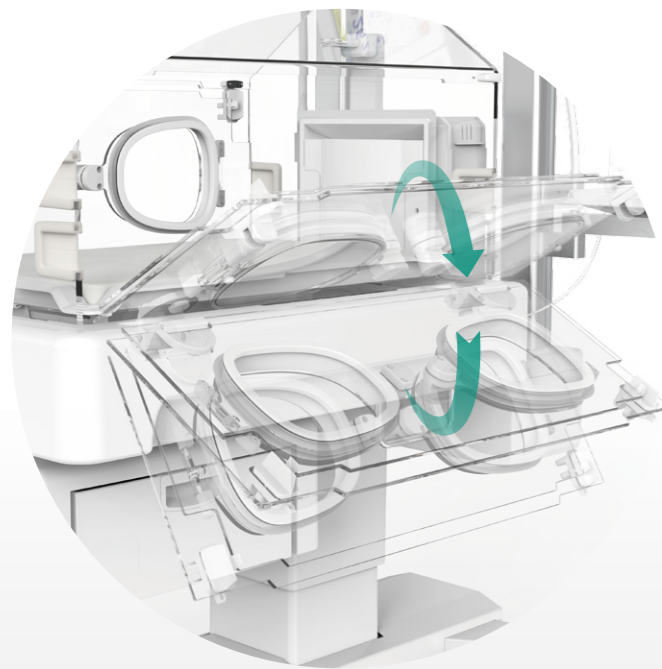
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- Using brushless DC motor, the air duct structure layout is more reasonable, effectively reducing the noise in the incubator and providing a comfortable treatment environment.

- Built-in weighing system, easy to measure the weight of children and monitor the weight trend changes.

Optional



- The panel damping system ensures the door panel to fall down in silence without handling.

Optional

Help with love, starting from care

01 Human-machine interaction for efficiently simplified clinical care procedures



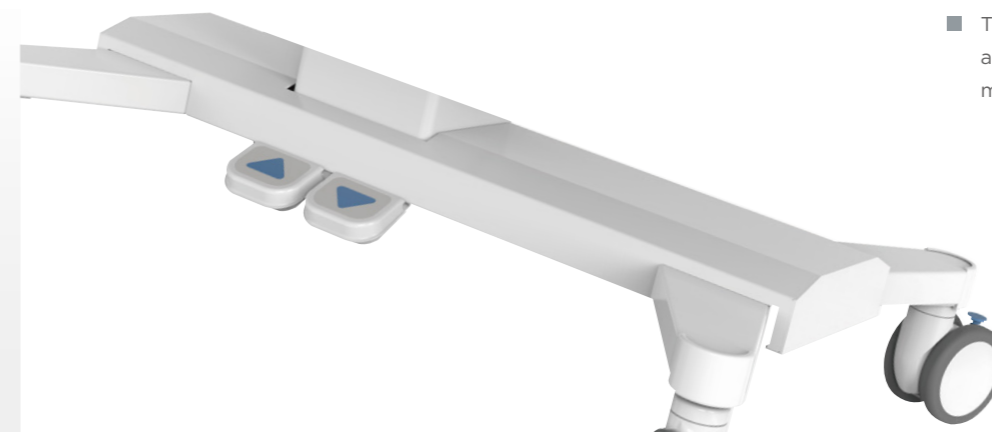
- LCD display: 12.1-inch TFT color LCD touch screen, night mode can be set to reduce the impact of light stimulation on newborns;

- 90° rotatable according to clinical needs, convenient for medical staff to observe and operate.



- The height of the whole machine can be adjusted to meet the operations of medical staff with different heights.

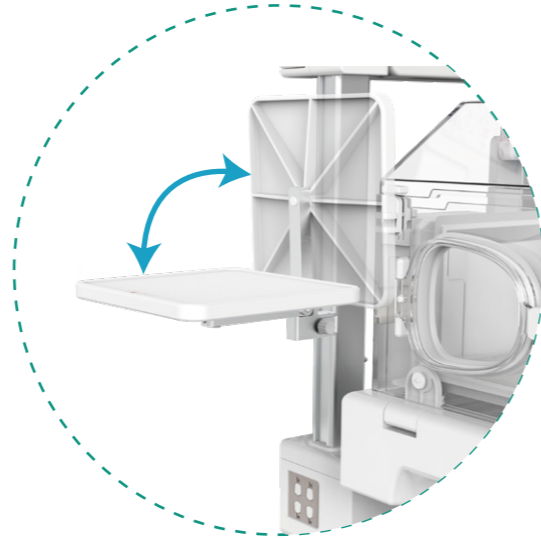
Optional



Empathy with love, starting from family



■ Foldable tray for easy storage without disassembling.



■ The two-way pull-out storage drawer can accommodate a variety of small medical devices.

■ One-button electric control bassinet can be adjusted smoothly and tilted at multiple angles.

Optional bassinet angel display function equipped with weigh system support the bassinet tilting angel simultaneously displayed by an LCD screen, supporting one-key leveling and more convenient for operation.



■ The first domestic kangaroo mode: effectively maintaining the temperature in the incubator, supporting kangaroo-style care, reducing parents' anxiety, and facilitating newborns' physical and mental development.

Optional

■ Camera: capable of carrying out local imaging and video recording convenient for clinical review.

Optional





02. SPECIAL MONITORING MODULE FOR NEWBORNS Optional

01 Developed for the newborns, starting from the heart



■ Masimo[®] Rainbow SpO₂ pulse oximetry monitoring system

■ Hemoglobin monitoring

The perfusion variation index (PVI) enables clinicians to assess the patient's infusion status, and non-invasively and continuously measures the hemoglobin SpMet in the blood to assess the total blood oxygen content SPOC.

- ① When combined with clinical assessment, the sensitivity of screening for critical congenital heart disease (CCHD) can be increased to 93%.
- ② It can significantly reduce the incidence of severe retinopathy of prematurity (ROP)¹.
- ③ It can effectively eliminate movement interference and improve the measurement performance under low perfusion and body movement states².



■ ECG monitoring

3-lead or 5-lead monitoring of neonatal ECG waveform and heart rate.



■ RESP respiratory monitoring

Continuous monitoring of respiratory rate based on the thoracic impedance method.



■ SunTechi[®] NIBP non-invasive blood pressure monitoring

It has double protection function of software and hardware.



■ Masimo[®] CO₂ monitoring

Provides two measurement methods: mainstream and external side flow to monitor CO₂ accurately in a real-time manner.



■ Apnea wake-up monitoring

It has the functions of close monitoring, real-time prompt and comprehensive protection to adopt early intervention for neonates at risk of apnea.

CONFIGURATION TABLE (✓ Represents for standard function, ▲ Represents optional function.)

Infant incubator module			
Controller	12.1-inch TFT color LCD touch screen	Automatic adjustment of screen brightness	✓
Temperature servo control	Air mode ✓ baby mode ✓ kangaroo mode ▲	Panel damping system	▲
Humidity concentration control function	✓	Weighing system	▲
Skin temperature sensor	✓	The tilting angle of the bassinet display/adjustment function, one-key leveling function	▲ Equipped with weighing system
>37°C temperature set function	✓	Camera function	▲
Electric tilting system	✓	External observation lamp	▲
Vertical height adjustment stand	▲	Ambient temperature and humidity monitoring function	▲
Oxygen concentration control function	▲	Temperature overshoot	≤ 1.0°C
Special monitoring module for newborns			
SpO ₂ monitoring	▲	Hemoglobin monitoring	▲
ECG monitoring	▲	CO ₂ monitoring	▲
NIBP monitoring	▲	Apnea wake-up	▲
power voltage	AC110-120V, 50/60Hz or AC220-230V, 50/60Hz, 1000VA		
Failure alarm	Power failure, fan, sensor, deviation, over temperature, wrong position of sensor box, wrong position of water tank, water shortage, system, SpO ₂ , ECG, RESP, NIBP, CO ₂ alarm, etc.		
Product dimension	L970mm× W580mm× H1500-1650 mm		
Product weight	100Kg		

¹ <Castillo et al. Prevention of retinopathy of prematurity in preterm infants through changes in clinical practice and SpO₂ Technology.> Acta Paediatr.2011 Feb;100(2):188-92

² <Performance of Three New-Generation Pulse Oximeters during Motion and Low Perfusion in Volunteers.> Shah N., Ragaswamy H.B., Govindugari K., Estanol L. J Clin Anesth. 2012 Aug;24(5):385-91.