

BABY INCUBATOR · AIR + SKIN MODE · CONTINUOUS HUMIDITY ·
PREMIUM NICU · CE / ISO 13485

PCB-INC-30



ABOUT THE PCB-INC-30

Premium NICU incubator — air + skin mode + integrated drawers.

The **PCB-INC-30 Baby Incubator (Premium)** is the flagship Disonmed-engineered neonatal incubator, designed for tertiary NICU and high-acuity newborn care. It combines **dual-mode temperature control (air mode + skin mode)**, an **integral therapy timer**, continuously adjustable humidity and a comprehensive alarm suite to deliver the most predictable, precise thermal environment available for the smallest patients.

Set temperature, air temperature, **baby skin temperature**, timer and heating power are each displayed on independent LED indicators for instant readability. The skin sensor delivers **±0.2 °C accuracy** — critical for stable thermoregulation of pre-term and very-low-birth-weight neonates.

The single-wall hood with **4 operating windows, 2 iris ports and 5 infusion seals** (more than the standard model) gives the clinical team full access for IV lines, monitoring leads and respiratory support. **Triple over-temperature protection** with an independent secondary cut-off device safeguards the newborn even under primary sensor failure. RS-232 connector + oxygen inlet support integration with monitoring and ventilation equipment, and the unit is ready for up to **6 optional upgrades** including LCD touch screen, X-ray tray, electronic elevator, double phototherapy, double wall hood and air-oxygen blender.

SPECIFICATIONS

Built to NICU-grade standards.

MODEL

PCB-INC-30

CONFIGURATION

**Premium NICU ·
drawer base ·
single-wall hood**

CONTROL MODES

**Air mode + Skin
mode
(microprocessor
servo)**

AIR TEMPERATURE
RANGE

**25 – 37 °C (high:
37.1 – 38 °C,
optional 37.1 – 39
°C)**

SKIN TEMPERATURE
RANGE

**32 – 37 °C (high:
37.1 – 39 °C)**

SKIN SENSOR
ACCURACY

±0.2 °C

TEMPERATURE
FLUCTUATION

±0.5 °C

MATTRESS TEMP
UNIFORMITY

≤ 0.8 °C

HUMIDITY

**Continuously
adjustable**

TROUGH CAPACITY

1,000 mL

WARM-UP TIME (FROM
25 °C)

< 30 min

INTERNAL NOISE LEVEL

< 55 dB(A)

INFANT BED TILT

±12°

MATTRESS SIZE

65 × 37 cm

AIR FILTER

0.5 µm

THERAPY TIMER

**Integral timer to
record therapy
time**

OPERATING WINDOWS

**4 operating
windows · 2 iris
ports · 5 infusion
seals**

DOOR

**Independent
locking front door**

CONNECTIVITY

**RS-232 · Oxygen
inlet · 1 tray**

POWER SUPPLY

**AC 110 / 220 V · 50
/ 60 Hz**

POWER CONSUMPTION

650 VA

OPERATING
TEMPERATURE

20 – 30 °C

OPERATING HUMIDITY

30 – 75 %

AIR VELOCITY

< 0.3 m/s

STORAGE TEMPERATURE

-10 °C to +55 °C

STORAGE HUMIDITY

≤ 95 %

ATMOSPHERIC
PRESSURE

500 – 1060 hPa

PACKAGE · CABINET

112 × 98 × 98 cm ·
N.W. 80 kg · G.W.
110 kg

PACKAGE · HOOD

98 × 85 × 74 cm ·
N.W. 15 kg · G.W.
30 kg

CERTIFICATIONS

CE 0197 · ISO
13485:2016 · TÜV
Rheinland

KEY FEATURES

Engineered for premium NICU safety.

AIR + SKIN DUAL-MODE CONTROL

Dual servo-controlled modes: **air mode** (controls air around the baby) and **skin mode** (uses a temperature probe attached to the baby's skin). Skin mode delivers the most precise neonatal thermoregulation. Skin sensor accuracy **±0.2 °C**.

CONTINUOUSLY ADJUSTABLE HUMIDITY

Step-free humidity control across the full operating range — finer regulation than two-step incubators, allowing precise micro-climate management for premature and very-low-birth-weight infants.

INTEGRAL THERAPY TIMER

Built-in timer to record therapy time — clinical documentation of duration of therapy, phototherapy sessions and incubator stay.

TRIPLE OVER-TEMPERATURE PROTECTION

Independent secondary cut-off device protects the newborn if the primary sensor fails. **> 37 °C set function** is gated behind a confirmation step to prevent accidental high-temperature setting.

SELF-TESTING + COMPREHENSIVE ALARMS

SINGLE-WALL HOOD · 5 INFUSION SEALS

Power-up self-test verifies all safety-critical sub-systems. Audible + visual alarms for: **power failure, over temperature, temperature deviation, fan failure, temperature sensor failure.**

Single-wall hood with **4 operating windows, 2 iris ports and 5 infusion seals** (vs 3 on the standard model). Independent locking front door for security.

LED DASHBOARD

Independent LED displays for: **set temperature, air temperature, baby skin temperature, timer and heating power** — clinical readability at a glance.

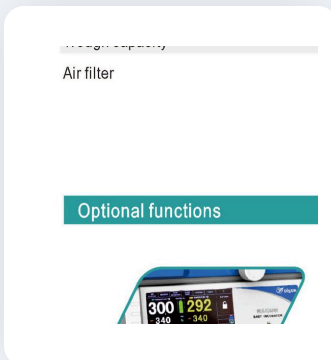
ADJUSTABLE INFANT BED

Infant bed tilt $\pm 12^\circ$ — Trendelenburg / reverse-Trendelenburg positioning for clinical procedures and patient comfort.

OPTIONAL UPGRADES

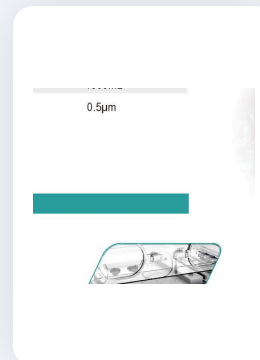
Configure your premium NICU package.

LCD TOUCH SCREEN



Upgrade the control panel to a full-color LCD touch interface — graphical trend display, intuitive parameter setting, easier alarm management.

X-RAY TRAY + INTEGRATED SCALE

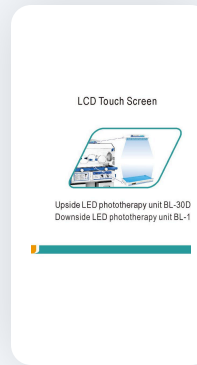


X-ray cassette tray for in-incubator radiography — no need to disturb the newborn. Integrated electronic scale weighs the baby without removing them from the controlled environment.



ELECTRONIC ELEVATOR

Powered height adjustment of the incubator hood — ergonomic working height for procedures, easier transfer of the newborn.



DOUBLE PHOTOTHERAPY

BL-30D upside (top-mounted LED) + **BL-100D downside** (mattress level LED) — bilateral phototherapy for neonatal jaundice, faster bilirubin reduction.

X ray cassette tray&Integrated scale



Double wall hood

DOUBLE WALL HOOD

Double-wall construction reduces heat loss by radiation — critical for very-low-birth-weight premature infants and energy efficiency.

Electronic Elevator



Air&Oxygen Blender

AIR & OXYGEN BLENDER

Built-in air/oxygen blender — precise FiO_2 control inside the incubator. Essential for premature infants requiring supplemental oxygen.

STANDARD CONFIGURATION

What's in the box.

Main body (Transparent hood, Control system, Infant bed, Water trough) · **1 V-pole** · Mattress · **Drawers** · Castors · Tray · Oxygen inlet. Each unit ships in two plywood cases (cabinet + hood) for safe transport.

CERTIFIED QUALITY

Manufactured under ISO 13485:2016

The PCB-INC-30 is manufactured under **ISO 13485:2016 · TÜV Rheinland** certification, with **CE 0197** mark for the European market. Every unit passes a full safety + functional test before shipping, ensuring compliance with regulatory requirements in every market.

✓ CE 0197

✓ ISO 13485:2016

✓ TÜV Rheinland



Product brochure

Complete PCB-INC-30 data sheet in PDF, ready to print or send to your customer.

[Download brochure \(PDF\) ↓](#)

PDF format · English

**PCB Medical · Kentucky
(USA)**

Industrial Park Av, Suite 30
Louisville, Kentucky 40041
Tel. (502) 333-0006

www.pcbmedical.net

PCB Medical · China

2103 Citic Tower, 1500
Xiangjiang North Road
Changsha, China