

BABY INCUBATOR · AIR MODE · 2-LEVEL HUMIDITY · PEDESTAL STAND · CE / ISO 13485

PCB-INC-10



ABOUT THE PCB-INC-10

A safe, microprocessor-controlled thermal environment for newborns.

The **PCB-INC-10 Baby Incubator** is a microprocessor-based, servo-controlled neonatal incubator designed for general newborn care, recovery wards and neonatal transport between hospital departments. Air-mode temperature control, two-level humidity and a comprehensive alarm suite combine to deliver a stable, predictable thermal environment for the newborn.

Set temperature, air temperature and heating power are each displayed on independent LED indicators so the clinical team can read the unit's status at a glance. A **self-testing function** verifies every safety-critical sub-system at power-up, and any deviation triggers both audible and visual alarms.

A **triple over-temperature protection** (independent secondary cut-off device) keeps the newborn safe even if a primary sensor fails. The single-wall acrylic hood with **4 operating windows, 2 iris ports and 3 infusion seals** gives the clinical team full access while preserving the controlled microclimate.

SPECIFICATIONS

Built to neonatal-grade standards.

MODEL

PCB-INC-10

CONFIGURATION

Pedestal stand · single-wall hood

CONTROL MODE

Air mode (microprocessor servo)

AIR TEMPERATURE RANGE

25 – 37 °C (high: 37.1 – 38 °C)

TEMPERATURE FLUCTUATION

±0.5 °C

MATTRESS TEMP UNIFORMITY

≤ 0.8 °C

HUMIDITY

2-level adjustable

TROUGH CAPACITY

1,200 mL

WARM-UP TIME (FROM 25 °C)

< 30 min

INTERNAL NOISE LEVEL

< 50 dB(A)

INFANT BED TILT

±10°

MATTRESS SIZE

65 × 37 cm

AIR FILTER

0.5 µm

OPERATING WINDOWS

4 operating windows · 2 iris ports · 3 infusion seals

DOOR

Locking front door

CONNECTIVITY

RS-232 · 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

PACKAGE SIZE

126 × 75 × 99.4 cm

WEIGHT

N.W. 80 kg · G.W. 100 kg

CERTIFICATIONS

CE 0197 · ISO 13485:2016 · TÜV Rheinland

KEY FEATURES

Engineered for neonatal safety.

MICROPROCESSOR SERVO CONTROL

Closed-loop microprocessor maintains the set air temperature within ±0.5 °C fluctuation. **Set temperature, air temperature and heating power** are each shown on separate LED indicators for instant clinical readability.

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

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 · FULL ACCESS

Single-wall acrylic hood with **4 operating windows, 2 iris ports and 3 infusion seals** gives the clinical team full access without disrupting the microclimate. Locking front door for security.

OPTIONAL ACCESSORIES

Phototherapy add-ons.

BL-30D UPSIDE PHOTOTHERAPY UNIT

Top-mounted LED phototherapy lamp for treatment of neonatal jaundice. Mounts on the incubator hood — no separate stand required.

BL-100D DOWNSIDE PHOTOTHERAPY UNIT

Mattress-level LED phototherapy unit. Combine with the BL-30D for double-sided treatment when needed.

IN CLINICAL USE

Trusted across neonatal wards.



CLOSED-ENVIRONMENT CARE

Iris ports and infusion seals let the team examine and treat the newborn without breaking the controlled microclimate.



QUICK PREP BETWEEN PATIENTS

Single-wall acrylic hood with locking door lifts open for fast disinfection and turnaround between cases.



NICU-READY MONITORING

Integrates with bedside monitors and IV pumps for full vital-sign + therapy oversight in the neonatal intensive care unit.