

INFANT RADIANT WARMER · 3 MODES (PRE-WARM + MANUAL + AUTO) ·
APGAR TIMER · X-RAY CASSETTE · CE / ISO 13485

PCB-IRW-20

ie cradle of life



ABOUT THE PCB-IRW-20

Premium radiant warmer — pre-warm + APGAR timer + X-ray cassette.

The **PCB-IRW-20 Infant Radiant Warmer (Premium)** is the flagship Disomed-engineered open-care unit for delivery suites, neonatal resuscitation and high-acuity newborn care. It operates in **three modes — pre-warm, manual and automatic (servo-skin)**, with a built-in **APGAR timer** that records therapy and resuscitation time from the moment the unit is activated.

A swivel heater head with **$\pm 90^\circ$ horizontal adjustment** gives the resuscitation team flexible access to the newborn from any angle. The integrated **X-ray cassette board** under the infant bed allows in-bed radiography without disturbing the patient. The unit ships with **2 trays and 2 drawers** for clinical supplies — keeping the bedside organized for emergency response.

Set temperature, skin temperature and timer are each shown on independent LED indicators. Audible + visual alarms cover power failure, temperature deviation, sensor failures and over-temperature. Four foldable transparent side protectors with **2 infusion seals** provide newborn safety while permitting full clinical access. The LED observation light is tilt-adjustable and brightness-adjustable for procedures at any time of day.

SPECIFICATIONS

Built to premium NICU standards.

MODEL

PCB-IRW-20

CONFIGURATION

**Premium open-care
radiant warmer ·
trolley base · 2
drawers**

CONTROL MODES

**Pre-warm +
Manual +
Automatic (servo-
skin)**

TIMER

**APGAR timer ·
range 0 – 99h
59min**

SKIN TEMPERATURE RANGE

32 – 38 °C

SKIN TEMPERATURE CONTROL ACCURACY

± 0.5 °C

SKIN SENSOR ACCURACY

± 0.3 °C

MATTRESS TEMP UNIFORMITY

< 2 °C

INFANT BED TILT

$\pm 10^\circ$

HEATER HEAD HORIZONTAL SWIVEL

LED OBSERVATION LIGHT

WARM-UP TIME (FROM 25 °C)

±90°

**3 W · tilt +
brightness
adjustable**

< 30 min

DISTANCE HEATER →
MATTRESS

80 cm

MATTRESS SIZE

67 × 54 cm

X-RAY CASSETTE

**Integrated board
under infant bed**

SIDE PROTECTORS

**4 transparent
foldable protectors
· 2 infusion seals**

STORAGE

2 trays · 2 drawers

ALARMS

**Power failure ·
temp deviation ·
temp sensor failure
· skin sensor failure
· over temperature**

CONNECTIVITY

RS-232 connector

POWER SUPPLY

**AC 110 / 220 V · 50
/ 60 Hz**

POWER CONSUMPTION

1000 VA

OPERATING
TEMPERATURE

18 – 30 °C

OPERATING HUMIDITY

30 – 75 %

ATMOSPHERIC
PRESSURE

700 – 1060 hPa

AIR VELOCITY

< 0.3 m/s

STORAGE TEMPERATURE

–40 °C to +55 °C

STORAGE HUMIDITY

≤ 95 %

STORAGE PRESSURE

500 – 1060 hPa

PACKAGE SIZE

**118 × 90 × 87 cm ·
N.W. 75 kg · G.W.
100 kg**

CERTIFICATIONS

**CE 0197 · ISO
13485:2016 · TÜV
Rheinland**

KEY FEATURES

Engineered for delivery suite + NICU.

3-MODE OPERATION (PRE-WARM + MANUAL + AUTO)

Pre-warm prepares the bed before patient arrival. Manual mode lets the operator set power level. Automatic mode (servo-skin) maintains the set skin temperature continuously. Switch between modes with a single control.

APGAR TIMER

Built-in APGAR timer records therapy time and resuscitation time from the moment the warmer is activated. Critical for documentation of newborn resuscitation at 1, 5 and 10 minutes post-delivery.

X-RAY CASSETTE BOARD

Integrated X-ray cassette board **under the infant bed** — radiographs without moving the newborn from the warmer. Essential for line placement verification and emergency imaging.

HEATER HEAD $\pm 90^\circ$ SWIVEL

Horizontal swivel of $\pm 90^\circ$ on the heater head — clinical team can position the radiant source from any angle around the bed for procedures and resuscitation.

COMPREHENSIVE ALARM SUITE

Audible + visual alarms for: **power failure, temperature deviation, temperature sensor failure, skin sensor failure, over temperature.**

LED OBSERVATION LIGHT • 3 W

3W LED observation light — both **tilt-adjustable** and **brightness-adjustable**. Low heat output, instant on, energy efficient.

4 TRANSPARENT FOLDABLE PROTECTORS

Four foldable transparent side protectors with **2 infusion seals** — newborn safety

2 TRAYS + 2 DRAWERS

Integrated 2 trays and 2 drawers for clinical supplies — keeps everything within reach during resuscitation and procedural care.

with full access for IV lines, monitoring leads and procedures.

OPTIONAL UPGRADES

Configure your premium resuscitation package.

LCD TOUCH SCREEN

Warm-up time(from 25°C)

Heater head horizontal

Distance from heater to mattress

Mattress size

Timer range

Optional functions

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

BIG INFANT BED

< 30min

±90°

80cm

67cmX54cm

0 ~ 99h59min

Drawe

Larger infant bed surface — extra space for procedures, IV setups and large newborns.



PHOTOTHERAPY BL-60D

LED phototherapy unit for in-warmer treatment of neonatal jaundice — no need to transfer the newborn between devices.



LCD Touch screen



AIR & OXYGEN BLENDER

Built-in air/oxygen blender — precise FiO_2 control for newborns requiring supplemental oxygen.



Big infant bed



LOW PRESSURE ASPIRATOR

Integrated low-pressure suction unit — meconium aspiration, airway clearance and gentle suction in the delivery room.



Phototherapy BL-60D



INFANT RESUSCITATOR

T-piece resuscitator for positive-pressure ventilation of the newborn — critical equipment for delivery-room resuscitation.



Oxygen supply system

OXYGEN SUPPLY SYSTEM

Integrated oxygen supply with flowmeter — keeps medical-grade oxygen available right at the warmer.



Electronic Elevator

ELECTRONIC ELEVATOR

Powered height adjustment of the warmer column — ergonomic working height for procedures, easier transfer of the newborn.



Air temp&count down timer

AIR TEMP + COUNT- DOWN TIMER

Additional air temperature display and count-down timer for clinical protocols (e.g. timed phototherapy, weighing intervals).

STANDARD CONFIGURATION

What's in the box.

Main body (Radiant source, Control system, Infant bed, Bracket) · **X-ray cassette** · Observation light
· **1 IV pole** · Skin temperature sensor · **2 trays** · Mattress · Transparent protector · Castors · **2**

drawers.

CERTIFIED QUALITY

Manufactured under ISO 13485:2016

The PCB-IRW-20 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-IRW-20 data sheet in PDF, ready to print or send to your customer.

[Download brochure \(PDF\) ↓](#)

PDF format · English

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