

INFANT RADIANT WARMER · MANUAL + AUTO MODES · ANTI-EXPLOSION
QUARTZ TUBE · CE / ISO 13485

PCB-IRW-10



Open-care warmer for delivery rooms and newborn resuscitation.

The **PCB-IRW-10 Infant Radiant Warmer** is a microprocessor-based, servo-controlled open-care unit designed for delivery rooms, newborn resuscitation, neonatal recovery and procedural care where the clinical team needs immediate, unobstructed access to the newborn. The unit operates in **manual mode or automatic (servo-skin) mode**, switching between them with a single control.

An anti-explosion **micro-crystal quartz infrared radiation tube** delivers stable, uniform heat to the mattress surface, with **± 2 °C uniformity** across the bed. Set temperature and skin temperature are each shown on independent LED indicators, and a **second thermal cut-off** protects the newborn even if the primary sensor fails.

The LED observation light has adjustable brightness for night-time work without disturbing the baby.

The bed includes **four transparent side protectors** with 2 infusion seals, an integrated tray for accessories and an RS-232 connector for service / data export. The aluminum-alloy structural frame keeps the unit light and corrosion-resistant for daily hospital use.

SPECIFICATIONS

Built to neonatal-grade standards.

MODEL

PCB-IRW-10

CONFIGURATION

Open-care radiant warmer · trolley base

CONTROL MODES

Manual + Automatic (servo-skin)

RADIANT SOURCE

**Anti-explosion
micro-crystal
quartz infrared
tube**

SKIN TEMPERATURE
RANGE

32 – 38 °C

SKIN TEMPERATURE
CONTROL ACCURACY

±0.7 °C

SKIN SENSOR
ACCURACY

±0.3 °C

MATTRESS TEMP
UNIFORMITY

±2 °C

WARM-UP TIME (FROM
25 °C)

< 30 min

DISTANCE HEATER →
MATTRESS

90 cm

MATTRESS SIZE

67 × 54 cm

SIDE PROTECTORS

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

OBSERVATION LIGHT

**LED · adjustable
brightness**

ALARMS

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

SAFETY

**Second thermal
cut-off
(independent)**

CONNECTIVITY

**RS-232 connector ·
1 tray**

POWER SUPPLY

**AC 110 / 220 V · 50
/ 60 Hz**

POWER CONSUMPTION

900 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

110 × 78 × 86 cm

WEIGHT

**N.W. 65 kg · G.W.
85 kg**

CERTIFICATIONS

CE 0197 • ISO

13485:2016 • TÜV

Rheinland

KEY FEATURES

Engineered for **newborn resuscitation.**

MANUAL + AUTOMATIC MODES

Microprocessor-controlled unit allows for two modes: **manual** (operator sets power level directly) and **automatic** (servo-skin — system maintains the set skin temperature). One control switches between modes.

ANTI-EXPLOSION QUARTZ TUBE

Micro-crystal quartz infrared radiation tube — stable, uniform heat with anti-explosion construction for clinical safety. Long service life under continuous hospital use.

SECOND THERMAL CUT-OFF

Independent secondary thermal cut-out protects the newborn even if the primary temperature sensor fails — critical safety layer for radiant heat sources.

COMPREHENSIVE ALARM SUITE

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

LED OBSERVATION LIGHT

LED observation light with adjustable brightness — night-time work without

4 TRANSPARENT SIDE PROTECTORS

Four folded transparent side protectors with **2 infusion seals** — keep the newborn safe while providing full access

disturbing the baby, no warm-up time,
low heat output.

for IV lines, monitoring leads and
procedures.

EXCELLENT DETAILS

Premium engineering in every detail.

HEATING HEAD WITH METAL GRID

Excellent detail



Heating head with metal grid

Metal grid protects the quartz tube from physical impact and contamination. Cleanable, durable, infection-control friendly.

SIDERAIL COLUMN



Siderail column

Integrated siderail column for IV-pole mounting, accessory rails and bracket attachment — flexible bedside configuration.

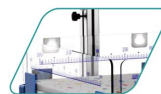
ALUMINUM ALLOY MATERIAL



Aluminium alloy material

Aluminum-alloy structural frame — lighter than steel, corrosion-resistant, easy to clean. Long service life under

2 INFUSION SEALS



2 infusion seals

Two infusion seals in the side protectors — pass IV lines, ECG leads and oxygen tubing without breaking the

continuous
hospital use.

controlled
microclimate.

STANDARD CONFIGURATION

What's in the box.

Main body (Radiant source, Control system, Infant bed, Bracket) · **1 V-pole** · Skin temperature sensor · Tray · Mattress · Transparent protector · Castors · RS-232 cable.

CERTIFIED QUALITY

Manufactured under ISO 13485:2016

The PCB-IRW-10 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-10 data sheet in PDF, ready to print or send to your customer.

[Download brochure \(PDF\) ↓](#)

PDF format · English

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