

Radiant Heat Warmer Series 1100

Powerful Processor

Advance, Accurate & high speed micro-controller based system

Control Modes

Skin	Air
Manual	Prewarm

No Calibration

Thermistor sensor & Preloaded software eliminates recalibration of temperature

Overheating Safety

Heater power \downarrow 25%
If 100% heater power for
 \uparrow 15 minutes (All modes)

User friendly

Display of Baby temp ($^{\circ}\text{C}$ & $^{\circ}\text{F}$),
Air & Set temp., % Heater power
Alarm message on LCD
 \uparrow & \downarrow Timers
Keypad lock facility

Baby Tray

Continuous adjustable bed tilt,
Mattress with washable cover,
X-ray cassette holder

Unbreakable

Polycarbonate side panels
collapsible/lockable

Non Corrosive

Stainless steel baby tray,
Aluminium coated lower shelves,
Stainless steel IV/Infusion rod

DHANWANTARI
Medical Technologies

Zeal
MEDICAL
Cradling Life.
Enabling Growth.



RHW1101A

Radiant Heat Warmer - Series 1101A

Product complies with: • IEC 60601-1 • IEC 60601-1-2 • IEC60601-2-21

RHW1101A 

Radiant Heat Warmer with attached baby cradle (Skin/Air/Manual/Prewarm)

Specifications:

Performance/Electrical Specifications:

- Microprocessor based temperature controller with Pre-warm, Manual and Skin Servo modes
- LED Display of Skin Temp., Air Temp., Set Temp. (Resolution 0.1°C) & Heater Power %.
- LCD to display modes of operation, Alarm messages, Skin Temperature in °F and Timer.
- Thermistor based sensor with Accuracy of +/- 0.2°C (Temp. Calibration not required)
- Modes of Operation: Skin Servo, Air, Manual and Pre-Warm
- Keypad lock facility
- Skin mode: Temperature range: 34 to 38°C , Resolution : 0.1°C
- Air mode: Temperature range: Room temp. to 39°C , Resolution : 0.1°C
- Manual mode: Adjustable Heater Power 0 to 100% (with an increment of 5%), Time duration:15mins
- Pre-warm mode: To pre-warm the cradle before baby is placed on the bed. (No alarm will be activated during Pre-warm mode) Adjustable Heater Power 0 to 25% (with an increment of 5%), Time duration:30mins
- Overhead heater box: Swivelling, Consists of Ceramic heater (650 Watts) placed in parabolic reflector with a safety grill & Halogen observation light (12V/50W) for observing the baby
- Operating Voltage: 220-240 VAC, 50Hz
- Power: 800W (Max.)
- Alarm: Audio alarm with 10 minute mute facility & Visual alarms with message on LCD as follows

Alarm Condition

- Skin Sensor is unplugged /Faulty
- Air Sensor is unplugged /Faulty
- Measured skin temperature higher than set temperature by 1.0°C
- Measured skin temperature lower than set temperature by 1.0°C
- Measured skin temperature higher than 38.0°C (With cut-off)
- Measured skin temperature lower than 34.0°C
- Measured air temperature higher than set temperature by 1.5°C
- Measured air temperature lower than set temperature by 3.0°C
- Measured air temperature higher than 39.0°C (With cut-off)
- Heater power is 100% for more than 15mins
- Heater is unplugged or faulty
- Heater Power drive fail/uncontrollable

- Power Fail Alarm: Audio with LED indicator

Mechanical Specifications:

- Fixed height warmer with attached baby cradle mounted on 4" wheel
- Stainless steel baby tray with water proof, zipped cover mattress of density approx. 21-25 kg/m³
- Continuous head up/down facility
- X-Ray cassette holder, Facility to clamp Oxygen Cylinders x 2nos
- Collapsible/lockable Side Supports made up of Unbreakable polycarbonate material
- Slots for sensor and ventilator tubing
- Side tray for placement of monitor, Facility of 3-Drawer for storage purpose.
- Stainless steel infusion rod with facility to mount Syringe/infusion pump
- Lower shelf below baby tray to facilitate under surface phototherapy

Dimensions:

- Height : 74.5" (1890 mm), Width : 28.0" (710 mm), Length : 39.0" (990 mm)
- Bed to Floor Height: 37.5" (950 mm)
- Distance between baby bed and heater: 33" (840 mm)
- Mattress size: 30" (762 mm) x 20" (508 mm)
- Height of side panel above baby bed: 5.75" (145 mm)

Alarm Messages on LCD

- | |
|-------------------|
| SKIN SENSOR FAIL |
| AIR SENSOR FAIL |
| SKIN TEMP. HIGH |
| SKIN TEMP. LOW |
| SKIN OVER RANGE |
| SKIN UNDER RANGE |
| AIR TEMP. HIGH |
| AIR TEMP. LOW |
| AIR OVER RANGE |
| CHK SENS POSITION |
| HEATER OPEN |
| CHK. PWR. DRIVE |

Zeal Medical Pvt. Ltd.

An ISO 13485 Certified Company

4/19 A, Piramal Indl. Estate, S.V. Road, Goregaon (W), Mumbai 400 062, India.

Tel.: +91 22 4095 3456, Tel/Fax: +91 22 4095 3438, Email : info@zealmedical.com



DHANWANTARI MEDICAL TECHNOLOGIES

Plot No : K - 5, HIG - 273, Kalinga Vihar
Bhubaneswar - 751 019, ODISHA, INDIA

Tel : +91 674 2475109/ 70085 41615 / 88956 37916/
63716 80882 / 8281903619

Email : dhanwantarimedtech@gmail.com