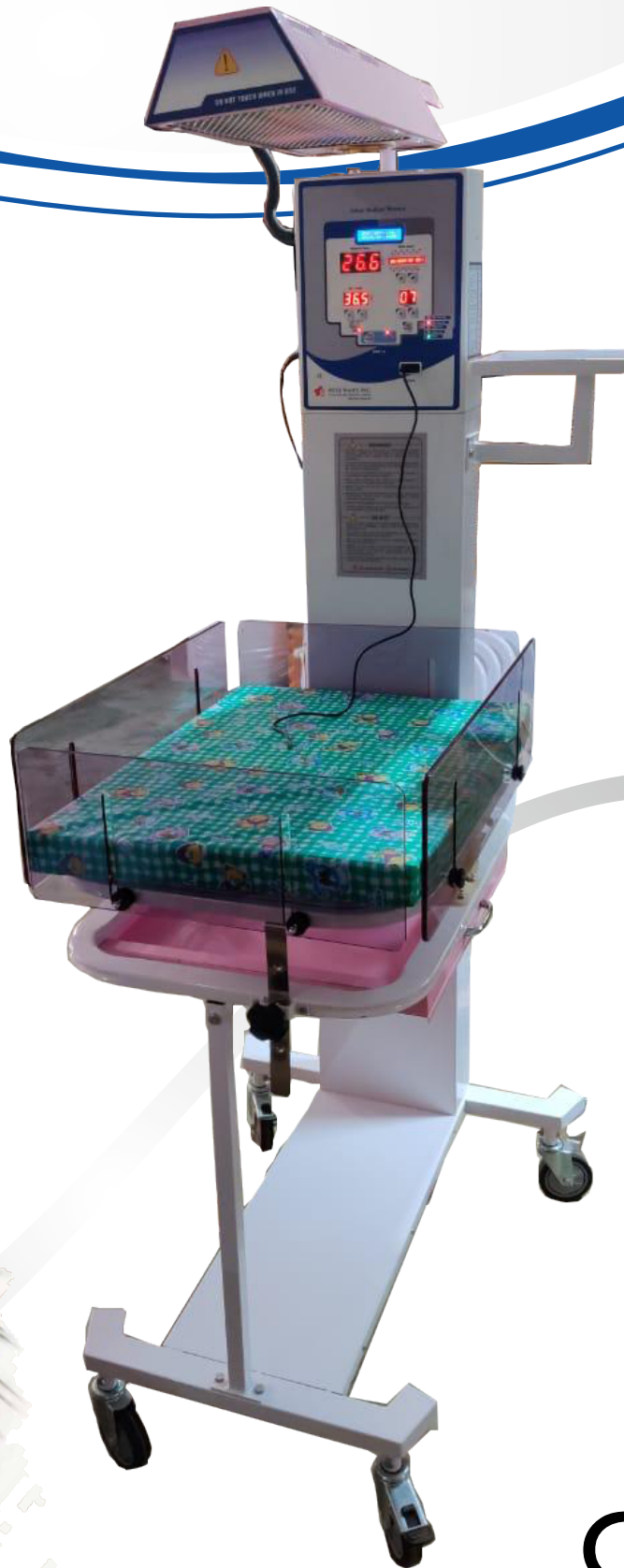




Radiant Warmer

Model No. : P001A



CE
2292

ISO 9001:2015 CERTIFIED
WHO-GMP CERTIFIED | ISO 14001:2004 CERTIFIED | OHSAS 18001:2007
ISO 13485 : 2016 CERTIFIED | CE CERTIFIED

RADIANT WARMER is an electrically powered device with a radiant heating source intended to maintain the thermal balance of an infant by direct radiation of energy in the infrared region of the electromagnetic spectrum.

RADIANT WARMER is a microprocessor controlled unit with heater placed on the over head panel. This work on both servo and manual mode options to maintain the baby temperature at the set value. There are two modes of operation manual and baby (servo) mode. It has Digital displays reading the set and baby observed temperatures separately.

Features

1. It is microprocessor-based servo-controlled unit that will allow at least two operation modes—servo (automatic) and manual mode.
2. The radiant warmer has a heating element with power consumption of 800-1200 Watts
3. It has quartz / non-ceramic infrared /Ceramic Heater heating element with parabolic stainless-steel reflector for uniform radiation of heat waves to all corners of the basinet
4. Heater is protected by a metal grid to prevent shock hazards.
5. The heater box/ head will be either of swivel type and it must rotate to $\pm 90^\circ$ from its axis or fixed type head provided it allows X-Ray exposure from top.
6. It has LED display (at least 1") for showing skin temperature in manual mode and set and skin temperatures in servo mode. Temperature display should be bright, numerical.
7. The unit has a rechargeable battery backup (30 min or more) for display of temperatures & alarm during power failure
8. It has an adjustable light source (LED) for observation of the baby.
9. Probe: Skin and Air Probe.
10. The basinet:
 - (a) Comprises of foldable/dropdown transparent acrylic/ poly carbonate side panels of minimum 6 mm in thickness and can be swivelled easily for cleaning and procedures.
 - (b) It will not be fixed with the warmer; if it is fixed then it detachable easily for cleaning purposes. Both move on lockable wheels.
 - (c) It has one fixed transparent acrylic sheet below mattress for under surface phototherapy and an additional acrylic tray with basinet for positioning the X-ray cassette.
 - (d) The unit has facility for inclination in both directions (trendelenburg and reverse trendelenburg) minimum up to 12° .
 - (e) Stitch-less mattress supplied with a foam density of 21-25 kg/m³ with at least 1 inch in thickness.
 - (f) Mattress cover will be made of fire-retardant material.
 - (g) Mattress are waterproof and easily washable. It should be resistant to cleaning with chlorine-based solution.
11. Dimensions:
 - (a) Probe length: Not less than 3 ft. (Skin and Air Probe)
 - (b) Length of basinet: Minimum 680 mm. Width of Basinet: Minimum 50 mm.
 - (c) Working level from the ground up to upper level of the mattress: Minimum 870 mm.
 - (d) Distance from mattress top and heat source: Minimum 850 mm.
 - (e) Diameter of castors for Radiant Warmer and Basinet with brakes /locks on front wheels: Minimum 75 mm.
 - (f) The unit will be supplied with 2 (two) drawers and 1 (one) IV stand. The minimum diameter of IV stand (stainless steel) will be 2.5 cm with 4 pegs (stainless steel) for hanging IV fluids.
12. Height adjustment system for Radiant Warmer and Basinet is accommodated): ± 2 inch.
13. Monitor tray (to be supplied with): 30 mm X 270 mm.
14. Operating temperature range: 10°C to 30°C or wider
15. Operating humidity range: 30%–90% RH.
16. Skin temperature-Range: 32°C to 38°C -Accuracy: $\pm 0.2^\circ\text{C}$ -Resolution: 0.1°C accolade.
17. Alarm for Probe failure, Heat failure, High and Low Temperature, Power failure.
18. Electrical supply: Power I/P to be 180-240 VAC, 50Hz fitted with Indian 3 pin plug.
19. UPS of suitable rating with voltage regulation and spike protection for 60 Minutes backup.
20. Accessories & Consumables to be supplied with the machine:
 - (a) Mattress: 02 (two).
 - (b) Temp.(Skin) and Air Probe (Reusable): 02 Each (two).
 - (c) Fuse set: 01 (one).
 - (d) Monitor tray: 01 (one).
21. Documents/Certification: - European CE & ISO 13485.
22. User/Technical/Maintenance Manual to be supplied in English/ Hindi.
23. Cleaning and maintenance of Radiant Warmer and Basinet is user friendly.

Technical Specifications

Power Requirement 220 to 240V, 50 Hz

Power Consumption ≤ 800 Watt

Sound Level $> 65\text{dBA}$ at 3 mtrs.



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