

NEOTHERM INTELLIGENT INFANT WARMER

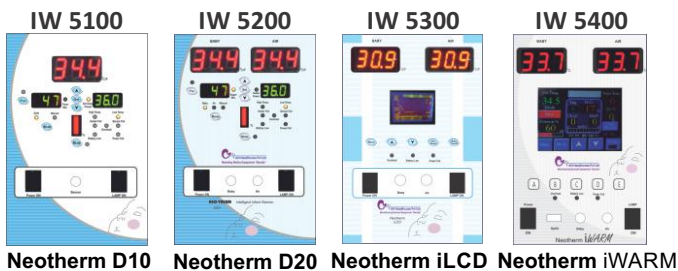
IW 5000 Series

More than two infusion pumps can be clamped on Stainless Steel Rod

IV Saline Stand Height can be adjusted

Temperature Control

Microcontroller based ServoTemperature Control (PID)



Heater Unit Ceramic Heater with parabolic reflector

Swivels 90° on both sides

Inbuilt Observation Lamp

Monitor Tray

Capable of holding up to 10 kg weight

Bassinet

Oval Shaped ABS Molded Baby Tray

Unbreakable Polycarbonate Drop-down and lock-able side support

Easy Mattress Tilting in both directions

X-ray Cassette Facility can be provided

Strong Shelf

Lock-able Castor wheels

IW 5300 - Neotherm iLCD Infant Warmer

Optional Modules



LED Phototherapy from Below



Inbuilt Resuscitation Module with T-Piece



Inbuilt LED Photo-therapy from above



Inbuilt SpO2 Module



TECHNICAL SPECIFICATIONS

Dimensions

WIDTH	90 cm
DEPTH	110 cm
HEIGHT	185 cm
MATTRESS SIZE	70 cm x 50 cm x 4 cm
MONITOR TRAY SIZE	27 cm x 32 cm

Features

HEATER	Ceramic Heater - 650W
HEATER ROTATION	±90° on both sides
REFLECTOR	Parabolic Reflector
OBSERVATION LAMP	50W Hazzle Free Halogen lamp
MONITOR TRAY	ABS Plastic Molded
SIDE PANELS	Unbreakable Polycarbonate drop down
WHEELS	Strong Castor wheels with 2 brake
MATTRESS	Waterproof, Washable, Flame Resistant
MATTRESS FOAM DENSITY	21- 25 kg/m ³
IV POLE	Adjustable Height with two poles
INFUSION PUMP STAND	Stainless Steel rod
TEMPERATURE SENSOR	Thermistor based NTE Sensors with high resolution

Temperature Control

SUPPLY VOLTAGE	190V - 250 VAC
SUPPLY FREQUENCY	50 - 60 Hz
POWER CONSUMPTION	750W
TEMPERATURE DISPLAY	Celcius / Farnheit
TEMPERATURE RANGE	10°C - 50°C
TEMPERATURE RESOLUTION	0.1°C
TEMPERATURE ACCURACY	± 0.2°C
SET TEMPERATURE RANGE	30 - 38°C in 0.1°C increment
HEATER OUTPUT	0 - 100% in 1% increment
MODES OF OPERATION	Baby, Air, Manual
TIMER	0 to 99 min
MANUAL MODE TIMER	15 mins
ALARMS	Audio and Visual

Alarms

HIGH TEMPERATURE	If Temp > Set Temp + 1°C
LOW TEMPERATURE	If Temp < Set Temp - 1°C
OVERHEAT	If Temp > 38°C (Baby) / 39°C (Air)
SENSOR FAILURE	Sensor disconnection / not working
POWER FAILURE	If Power fails
BATTERY FAILURE	Rechargeable battery for power failure
SYSTEM FAILURE	If system hangs
HEATER FAILURE	If Heater stops working

NEOTHERM Control

Computerized Software Based PID Servo Control System. PID is the most advanced servo control system which considers even smallest change in temperature

IW 5100 - Neotherm D10



- Skin Temperature Display
- Modes: Auto, Manual
- Display: Segment LED
- Heater % Display: Bar Graph

IW 5200 - Neotherm D20



- Skin & Air Temperature Display
- Modes: Baby, Air, Manual
- Display: Segment LED
- Heater % Display: Bar Graph

IW 5300 - Neotherm iLCD



- Skin & Air Temperature Display
- Modes: Baby, Air, Manual
- Display: Graphic LCD Display
- Temperature Trends, Realtime clock, Programmable Timers


IW 5400 - Neotherm iWarm



- Skin & Air Temperature Display
- Modes: Baby, Air, Manual
- Display: 5.6" Color TFT Screen with touch screen
- Temperature Trends, Realtime clock, Programmable Timers

* AVI Healthcare Pvt Ltd reserves right to make changes without notice in design, specifications and models

Manufactured by:



AVI Healthcare Pvt Ltd
Manufacturing Neonatal Equipments "Glocally"

ISO 13485:2003
CERTIFIED COMPANY



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Tested as per following EC standards:
EN 60601-1:2006/A1:2013
EN 60601-1-2:2015
EN 60601-1-6:2010
EN 60601-1-8:2007/AC:2010
EN 60601-1-2-21:2009