

# NEOTHERM INTELLIGENT INFANT WARMER

## IW 7000 Series

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

IV Saline Stand Height can be adjusted

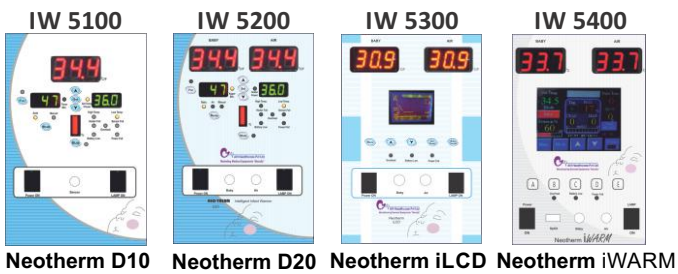
**Heater Unit** Ceramic Heater with parabolic reflector

Swivels 90° on both sides

### Temperature Control

Microcontroller based ServoTemperature Control (PID)

**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

X-ray Cassette Facility

**Smooth Bed Tilting**



**IW 7200 - Neotherm D20 Infant Warmer**

**Strong Shelf**

### Optional Modules



**LED Phototherapy from Below**



**Inbuilt Resuscitation Module with T-Piece**



**Inbuilt LED Phototherapy from above**



**Inbuilt SpO2 Module**

**Lock-able Castor wheels**



# TECHNICAL SPECIFICATIONS

## Dimensions

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

## Features

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

## Temperature Control

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

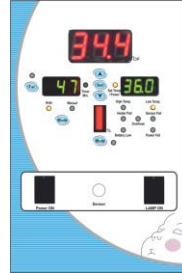
## Alarms

<b>HIGH TEMPERATURE</b>	If Temp > Set Temp + 1°C
<b>LOW TEMPERATURE</b>	If Temp < Set Temp - 1°C
<b>OVERHEAT</b>	If Temp > 38°C (Baby) / 39°C (Air)
<b>SENSOR FAILURE</b>	Sensor disconnection / not working
<b>POWER FAILURE</b>	If Power fails
<b>BATTERY FAILURE</b>	Rechargeable battery for power failure
<b>SYSTEM FAILURE</b>	If system hangs
<b>HEATER FAILURE</b>	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 7100 - Neotherm D10



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

### IW 7200 - Neotherm D20



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

### IW 7300 - Neotherm iLCD




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

### IW 7400 - 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



ADDRESS: 25, Nanddeep Industrial Estate, Kondivita Lane,  
 Andheri East, Mumbai - 400059, INDIA  
 Telephone: +91 22 28320452/ +91 22 28326240  
 Email : sales@avihealthcare.com

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