

OPERATING MODES :

Skin Mode :

In Skin mode heater power is controlled with reference to Skin probe. In case when the temperature exceeds

Max (38 °C or 101 °F) in any probe Heater is turned off.

Air Mode :

In Air mode heater power is controlled with reference to Air probe. In case when the temperature exceeds Max (38 °C or 101 °F) in any probe Heater is turned off.

Manual Mode :

In manual mode user can control heater manually. In this mode user can adjust heating speed (0 to 8 speed) and set timer upto 59min. With probes installed when the temperature exceeds Max (38 °C or 101 °F) in any probe Heater is turned off.

Special attention is needed while operating without probes.

DISPLAY INDICATION :

LCD :

- LCD displays the following information.
- I. Current Mode
- II. Heating speed
- III. Alerts: Low Temp, High Temp, Probe fail
- IV. Settings: Set Temp, Low Alarm, High Alarm, Manual mode timer, Calibration,
- Product branding
- V. APGAR timer

Alerts :

Power fail: Power fail indicator turns ON with sound alert (cannot be muted).

Probe fail: Probe fail indicator turns ON with sound alert (can be muted).

Displays "-.-" on temp display. Heater overload: Heater overload indicator turns ON.

Low temperature: Low alarm indicator turns ON with sound alert (can be muted).

Displays blinks. High temperature: High alarm indicator turns ON with sound

alert (can be muted). Displays blinks. Manual mode Time out: Short sound alert

and timer flashing on LCD.

Important Instructions :

We recommend that you read the following instruction carefully, before using the machine/Equipment

Supply voltage should be between 220V-240V 50Hz.

Do not use the machine/Equipment when the mains cord, the plug or other components are damaged.

The machine/Equipment should be handled by authorized person only.

Do not clean machine/Equipment with water or other cleaning liquid.

Check heater and probe before using the machine.

Do not leave baby unattended for long intervals.

We recommend to use 650W heater.

New probes or replacement probe should be calibrated before use..

INFANT BABY WARMER



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How to use :

Machine can operates in 3 different modes skin, air and manual mode. By pressing 'MODE' switch user can change mode.

Skin Mode :

In this mode machine controls heater speed to maintains skin temperature around set temperature automatically. User can set skin temperature by pressing 'SET' switch, it will display current set skin temperature on LCD.

Using 'UP' and 'DOWN' Switch to adjust set temp. Press 'ENTER' switch to confirm.

Next it will ask for low temp alarm, if temp reaches below set low temp then low temperature alert will trigger.

Next it will ask for high temp alarm, if temp exceeded set high temp then high temperature alert will trigger. User can mute sound alerts by pressing 'MUTE' switch

Note: In this mode Machine will only start heater when probes are connected.

Air Mode :

In this mode machine controls heater speed to maintains air temperature around set temperature automatically.

User can set air temperature by pressing 'SET' switch, it will display current set air temperature on LCD.

Using 'UP' and 'DOWN' Switch to adjust set temp. Press 'ENTER' switch to confirm.

Next it will ask for low temp alarm, if temp reaches below set low temp then low temperature alert will trigger.

Next it will ask for high temp alarm, if temp exceeded set high temp then high temperature alert will trigger. User can mute sound alerts by pressing 'MUTE' switch.

Note: In this mode Machine will only start heater when probes are connected.

Skin Mode :

In this mode user can control heating speed of heater manually. When user enters in manual mode a timer starts decrementing. After timer reaches 0 min machine turns OFF the heater and notifies with short sound alert.

User can adjust heating speed by 'UP' and 'DOWN' switches. Heating speed is indicate by heater indicator. User can change time by pressing 'SET' switch, it will display current set time on LCD. Using 'UP' and 'DOWN' Switch time can be adjust between 1min to 59 min. Press 'ENTER' switch to confirm.

This mode can work without temperature probes.



INFANT BABY WARMER

Warning: Special attention is needed while operating without probes.

Note: In this mode if probes are connected, machine will automatically turn OFF heater after temp exceeds max temp (38 °C or 101 °F)

Calibrate probes :

To calibrate probe press and hold 'UP' and 'DOWN' switches until calib password is displays on LCD. Enter 4digit Password for verification which can be enter with help of 'UP', 'DOWN' & 'ENTER' switches. (Password is provided by manufacturer) After password successful confirmed, with 'UP' & 'DOWN' switches user can set actual skin and air temperature by comparing with external temperature meter. Press 'ENTER' to confirm.

Note: Calibrate only works when probe is connected to machine and temperature is displays on 7 segment display.

Change Temp unit (°C to °F) :

- Turn OFF the machine.
- Turn ON the machine while holding 'Enter' and 'MODE' switches.
- Keep holding both switches until °F indicator is turn ON.

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INFANT BABY WARMER

NEONATAL PULSE OXIMETER/OPTIONAL :

Display 2" colour TFT	
SpO2 measurement range	35%-100%
SpO2 measurement Accuracy	±2% (70% -100%)
SpO2 resolution	1%
PR measurement range	30-250bpm
PR measurement Accuracy	The greater of +2bpm
PR resolution	1%
Low perfusion performance	0.025% Oximeter accuracy of ±2% and pulse rate accuracy of ±2bpm under 0.025% weak perfusion conditions
Anti-motion interference performance	SpO2 measurement accuracy ±3% and pulse rate measurement accuracy ±4bpm at 0-4Hz, 0-3cm random motion or fixed frequency motion
Breathing measurement	Optional
Initial output time	4s
Probe off detection	Yes
Probe failure detection	Yes
Perfusion Index	0.02%-20%
Pulse wave	Yes
Board size	32mm*18mm*3mm
Wiring methods	Pad
Power supply	5V DC
Power consumption	<15mA
Application	Adult / Pediatric / Neonatal
Work environment	temperature: 0-40°C, humidity: 15%-95% atmospheric pressure : 79.5kPa-107.4kPa
Storage environment	temperature: -20-60°C, humidity: 15%-95% atmospheric pressure: 79.5kPa-107.4kPa Non-condensing

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