

Tecotherm Neo

Thermoregulation and Monitoring



Tecotherm Neo

Total Body Cooling and Warming

Profile

Thermoregulation of pediatric patients has many applications and the Tecotherm Neo has been designed to meet medical conditions that need effective temperature management. With the flexibility to cool, warm or maintain normothermia of patients up to 50 kg the Tecotherm Neo can be used anywhere from the NICU to pediatric emergency rooms for short or long term applications.

The innovative servo controlled design has instant feedback monitoring the infant's temperature every 2 seconds and making minute changes to the fluid to ensure that the infant's temperature remains stable. Simple alarms are on hand should the temperature deviate more than 0.5° C from the set temperature. The large color display shows the temperature clearly and color changes alert nursing staff to any problem.

The Tecotherm Neo can be programmed for a complete treatment cycle, the user can set the target temperatures, duration and even the rate of warming / cooling making it easy and simple to set up and use. Changes can be made at any time and all changes, set and measured parameters are recorded on to a memory card every minute for later analysis.



Features

Customize and store treatment profiles (up to 9 profiles can be stored)

Clinician can set and adjust parameters at the start and throughout treatment

Data storage for allowing simple analysis of temperature profiles

Export individual patient records to USB

Large color screen is easy to see across the room

Small / lightweight portable device

Internal battery restarts from same settings in event of power failure

Maintains final temperature once treatment complete

Compatible with reusable or disposable accessories

Optional use of skin probes



Modes of Operation

The Tecotherm Neo has 3 modes of operation:

Servo-Control Complete Treatment Mode

Clinician can set the duration of treatment, the rate of cooling / warming as well as the target temperature, the Tecotherm Neo will complete the whole cycle without interruption and then maintain the final temperature.

Constant Mattress Temperature Mode

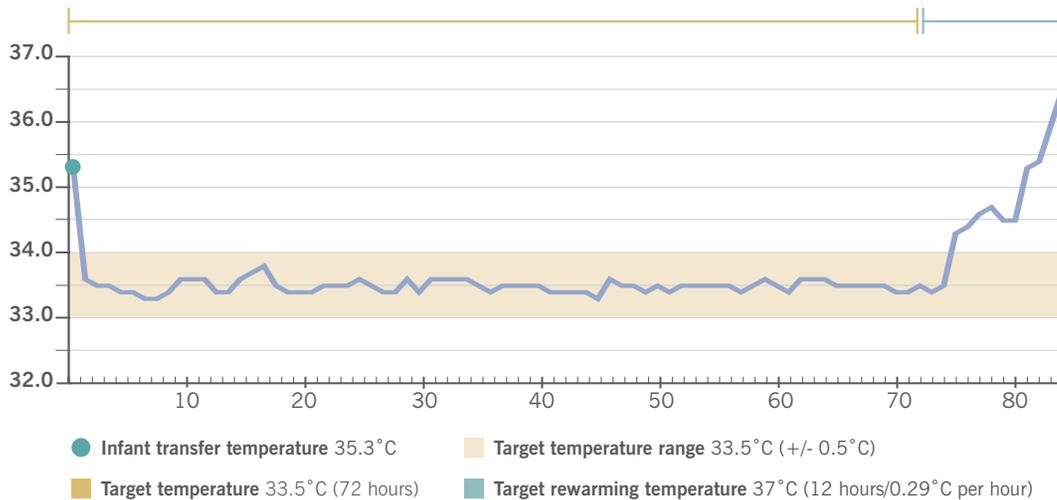
No Servo Control, useful for research work and where control of the mattress needs to be stable, or where experienced staff are available to monitor the patient.

Servo-Control Mode (Constant Rectal Temperature)

Clinician can set the target temperature, the time to get to target temperature and the length of time to maintain the target temperature, the Tecotherm Neo will complete the whole cycle without interruption.

Rate of change can also be set to allow even warming and cooling.

Example of patient data collected from Tecotherm Neo



Technical Specification

Dimensions:	H 210 mm (8¼ in), W 373 mm (14¾ in), D 310 mm (12¼ in)
Weight:	7.2 kg (15.9 lbs) (Reservoir full) 6.95 kg (15.3 lbs) (Reservoir empty)
Screen resolution:	640 x 480 pixels
Electrical power consumption:	1.5 A/ 230 VAC 3.1 A/ 110 VAC Max. 345 W
Noise output:	54 – 54.5 dB Mean Value 1 m Distance
Fluid capacity:	250 ml (Inner Tank) 500 ml (Fill Up Set)
Minimum fluid temperature:	12 °C
Maximum fluid temperature:	39 °C
Maximum patient weight:	50 kg (110.2 lbs) For larger patients please contact your local representative
Data storage capacity:	2 GB (50,000 hours) All set and measured parameters

The details given in this leaflet are correct at time of going to press. The company reserves the right to improve the products shown.

500-113(2 US)



T +44 (0)1455 840 555
E info@inspiration-healthcare.com
W inspiration-healthcare.com