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Product Name :

Incubator,automatic,basic,w/access

Product Code :

LBNY-0017-2200011



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Description :

An infant incubator provides a closed, controlled environment that warms an infant by circulating heated air over the skin. Incubators feature better temperature control than radiant warmers (overhead heating units), which can overheat or underheat the infant. However, an infant in an incubator is less accessible to the caregiver. The heat is then absorbed into the body by tissue conduction and blood convection. Ideally, both the skin and core temperatures should be maintained with only minor variations.

Technical Specification :

The unit is equipped with an automatic/servo-controlled air and skin temperature control.

Microprocessor-based system for temperature and humidity regulation.

Automatic self-test on power up.

Performs internal component diagnostics at regular intervals during operation.

Air and skin temperature control modes use thermistor-based automatic servocontrol.

Air-mode set temperature range is 23-37°C in 0.1°C increments.

Includes built-in water reservoir for additional air humidity.

Maximum internal sound level during normal operations is ? 60 dB; during audible alarms ? 65 dB.

Includes an internal Li MH battery, for alarms and memory back up functionality only. The battery does not support normal operation of the unit.

Includes a visual heater power indicator.

Internal backup thermistor.

Power requirements either 110 Volt / 60 Hz or 220 Volts – 50 Hz to be specified at the time of ordering.

CONSTRUCTION AND DESIGN

Latched door on front panel, at a minimum 30 cm high x 75 cm wide.
Fixed mattress tray that tilts between 0° and at a minimum up to $\pm 10^\circ$
Mattress with removable washable and fluid-resistant cover, minimum dimensions 65 cm long x 37 cm wide.
Display shows operational status, with set and measured values and alarms.
Minimum of four latched hand access ports and two iris ports.
Has a double-walled clear canopy.
Minimum of five tube access ports.
Includes at least one equipment shelf, IV pole and side rails for mounting accessories and equipment.
Protective bumpers on all four corners.
Four (4) anti-static swivel castors that are at least 10 cm in diameter.
Base includes integrated cabinet with at least two drawers.
Side handles to facilitate positioning.
A minimum of two (2) the castors are equipped with brakes.

SERVO SKIN MODE SET TEMPERATURE RANGE:

Temperature alarms can be set for a minimum range of 34 - 37°C, but never lower than 32°C, adjustable in 0.1 °C increments, with an override up to 38°C and an accuracy equal to or better than $\pm 0.5^\circ\text{C}$.

SERVO AIR MODE SET TEMPERATURE:

Should include an override up to 39°C.

Within the range of 25 - 37°C, never lower than 20°C, adjustable in 0.1°C increments, and with an accuracy equal to or better than $\pm 0.8^\circ\text{C}$.

ALARM FUNCTIONALITIES

Alarms are both audible, as well visual.

Alarms are available for:

Air fan failure.

Power failure alarms.

High/low skin temperature.

High/low air temperature.

Alarm if a circuit fault has been detected.

Temperatures exceeding 39°C in any mode.

Temperature probe failures and/or disconnects.



Laboratory Instrument India