SOMA
TECH INTL

The **Dräger Air-Shields TI100** is intended for transport of high risk, premature, low birth-weight, or critically ill newborns. It provides a means to control air temperature, oxygen concentrations, and relative humidity. A double walled hood permits full visibility and an effective thermal barrier from the environment. Front and head access is provided by arm ports and door panels. The mattress tray slides out of the head end for additional access.

Features

- Intended for transport of high risk, premature, low birth-weight, or critically ill newborns.

- It provides a means to control air temperature, oxygen concentrations, and relative humidity.

- A double wall hood permits full visibility and provides an effective thermal barrier from the environment.

Specifications

Dimensions

Length: 102 cm (40.25")

Width: 56.5 cm (22.25")

Height: 118.7 cm (46.75")

Weight: 86.7 kg (189 lbs) including hood, stand, and batteries

Power

AC: 110/120 VAC 50/60/400 Hz

Sine or Wave: 170/200 Watts / 225/270 Watts with batteries charging

DC: 12VDC, 115 Watts

Battery

Type: Gel, Sealed and rechargeable

Voltage: 12VDC nominal

Quantity: 2

Charging Time: 2 Batteries takes 20 minutes to recharge from fully discharged

Life expectancy: Minimum 200 full charge/discharge cycles

Temperature

Set Point Range: 21.5°C ± 1.0°C to 38°C

Rise Time: 30 Minutes

Temp Variability: 0.2°C

Temp Overshoot: 1.5°C Maximum

Temp Equilibrium: 1°C

Temp Uniformity: 1°C

Alarms

High Temp: Actuates at displayed incubator temperature of 39°C ± 0.5°C
Sensor: Actuates if High Temp alarm sensor is electronically opened or shorted
Power Failure: Actuates if main AC power fails and no DC back-up power is present
Heater Temp: Actuates if heater temperature exceeds 77°C nominal
Low DC: Actuates if incubator DC voltage has fallen below 10.5 VDC nominal