

A Portable Neo-Natal Incubator

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ABSTRACT

A neo-natal incubator (100) is provided. The neo-natal incubator (100) may include a housing (102) and a plurality of mounts (200-1, 200-2, 200-3, 200-4). The housing (102) may be trapezoidal in shape and positioned upon a base (106). The housing (102) may be provided with a plurality of openings (104-n). The plurality of mounts (200-1, 200-2, 200-3, 200-4) may be disposed peripherally along the base (106). The plurality of mounts (200-1, 200-2, 200-3, 200-4) may enable mounting of the neo-natal incubator (100) onto a secondary surface.

KEY APPLICATION AREAS

- 1.Neonatal Healthcare.
- 2.Medical Devices & Infant Care.
- 3.Neonatal Transport Systems.
- 4.Emergency & Ambulance Care.
- 5.Remote Patient Monitoring (RPM).
- 6.Rural & Primary Healthcare.

POTENTIAL USE

- 1.Safe transport of newborns and preterm infants in ambulances and other vehicles using a portable incubator.
- 2.Low-cost neonatal care in rural hospitals and primary healthcare centers.
- 3.Continuous monitoring of temperature, humidity, weight, oxygen level, and blood pressure.
- 4.Remote monitoring and control of incubator conditions via mobile/web-enabled devices.
- 5.Standalone neonatal warmer for facilities lacking conventional incubators.
- 6.Mountable incubator compatible with hospital stretchers, adult ambulances, and standard vehicles.
- 7.Affordable neonatal emergency care with battery-backed operation during transport and power outages.