The scientifically designed structure of the **ES-OC-100** provides easy all-round accessibility.

The crevice-free plastic body with rounded edges and smooth contours makes it safe and very easy to clean and maintain.

Even a student nurse will be able to handle it!

**NEONATAL OPEN CARE SYSTEM ES-OC-100**

The ESSE 3 **ES-OC-100** has been designed to international specifications in infant care. It is a must for every modern hospital.

**FEATURES**

- **Control panel**
  Intuitive and easy-to-use design. Large, bright display
  Keys positioned for maximum convenience

- **Oval-shaped baby bed with side panel**
  The single-piece, crevice-free bed is easy to clean. Its oval shape permits all-round access.

- **Probe**
  Interchangeable—no field calibration required. Thermistor sensor for quick response. Wires are easy to clean, long lasting.

- **Safe, efficient, splash-proof heater unit**
  Swivels away from bed to make room for an X-ray unit.

- **Alarm system**
  Clear visual and acoustic alarms for complete infant safety.
  Separate electronics to monitor system failure and heater failure.

- **Castors**
  Effortless mobility on four smooth-running swivel castors.
  Integral brakes and low centre of gravity ensure optimal stability.
  Antistatic castors can be provided optionally.

- **Handle**
  Conveniently positioned to move the equipment.

- **Resuscitation unit with hand-operated port or flow CPAP unit (optional)**
  Safer and more reliable, autoclavable.

- **Suction unit (optional)**
  Oxygen powered
  No need for electricity (electrical unit optional)

- **Phototherapy unit (optional)**
  Modular, 3 halogen lamps on each side.
  Angled for effective treatment.

- **I V stand (optional on both sides)**
  One IV pole is provided. Multiple infusion pumps may be mounted and used simultaneously.
  One Monitor tray is provided.

- **Examination lamp**
  The adjustable lamp may be positioned to illuminate the desired location on the baby bed.
ELECTRONICS
Micro controller based servo control system (self-tests are performed periodically) features zero voltage switching which minimizes electromagnetic interference.

ELECTRICAL SPECIFICATIONS
Operating Voltage (Refer rating plate on the device for operating voltage)  - 230V AC~, 50Hz, 110VAC~, 60Hz
Power consumption with heater at max output (NWC & NRC) - 800W / 3.4A, 800W / 7 A
Power consumption with heater and Phototherapy (NOC & NPC) - 1100W / 4.8A, 1100W / 10A

HEATER
Single element quartz infrared heating - 600w
Heater output control range (manual) - 0% to 100% (in 10% increments)
Heater controlling system (element placed in a parabolic reflector) - Bar graph

SKIN TEMPERATURE PROBE
Measuring Temperature Range - 15°C to 40°C
Accuracy / Resolution - ± 0.2°C / ± 0.1°C
Probe interchangeability - ± 0.2°C (Servo)
Infant required temperature range - 32°C to 38°C (Servo)

OBSERVATION LIGHT
Allows you to focus on any point on the bed - 12V, 50W Halogen Lamp

ALARMS
- Audio and visual alarms
- High infant temperature
- Low infant temperature
- Probe failure
- Heater failure
- Power failure
- System failure with automatic heater cut-off

PHOTOTHERAPY/HALOTHERAPY
- 12V, 50W (Halogen Lamp - 6 Nos)

BREATHING AID
Airway ventilation outlet (hand operated port)
Oxygen flow rate control - 0 to 12 LPM
Breathing rate control - Manual
Maximum airway pressure - 35 cm H2O
Adjustable airway pressure - 10 to 35 mm H2O
Air pressure gauge - 20 to 100 cm H2O

SUCTION CONTROL
Maximum suction - 250 mm Hg
Vacuum gauge range (Electrical option on request) - 0 - 760 mm Hg

AUXILIARY OXYGEN OUTLET
Oxygen flow control - 0 to 12 LPM
Maximum airway pressure - 55 cm H2O
Oxygen supply - 3.1 to 4.5 Kg / cm²
Pipe line oxygen supply with quick release male connector (comes with 2 meters long hose)
Two small cylinders with internal regulator on Pin indexed fitting (optional)

PHYSICAL DIMENSION
Bed Dimension (mm) - 720 (L) x 620 (W) (oval shape)
Mattress Dimension (mm) - 700 (L) x 550 (W) (oval shape)
Unit Dimension (mm) - 1100 (L) x 900 (W) x 1980 (H)
Maximum mattress tilting - ±8° continuously variable
Maximum mattress swivel on vertical column - ±45°
Diameter of castors - 4 inches, Front 2 wheels lockable
Weight (Approx) - 82Kg