

C60 Neonatal Monitor

COMEN
www.szcomen.com

Safety

ISO 13485:2003 approved

Dimension and Weight

Dimension: 249mm×223mm×107mm
Weight: 3.5kg

Operation Environment

Power: AC100-250V, 50/60Hz.
Temperature: 0-40°C
Humidity: 15-85%

Patient Range:

Neonate

Performance Specifications

Display: 8.4inch color TFT touch screen (diagonal)
Resolution: 800×600
Trace: 9 waveforms
Sweep Speed: 12.5mm/s, 25mm/s, 50mm/s
Indicator: Power indicator light
Battery indicator light
Alarm indicator light
QRS beep and alarm sound
Inter face: Parameter cable inter face
AC Power input socket
Network inter face
SD card socket
Battery: Lithium-ion battery /Rechargeable
4hours for continuous working
Trend time: 1~120 hours
Alarm: User-adjustable High and Low limits alarm events recallable audible and visual alarm
Networking: Connected to central monitoring system
Recorder: Built-in, thermal array,
2 traces, paper width:50mm
Record mode: manual, on alarm,
time-defined
Print speed: 12.5 mm/s, 25mm/s, 50mm/s

ECG

Technology: COMEN ExNeo™
Lead selection: 3-lead(Standard)

Respiration

Method: Thoracic impedance
RR measurement range: 7-150rpm
Resolution: ±1 rpm
Accuracy: ±1rpm

Nellcor SpO2

Technology: Nellcor OxiMax SpO2
Display: Spo2 digital, Pulse columnar graphics, volume waveform, Pulse rate
Measurement range: 0-100%
Resolution: 1%
Accuracy: ±1% (90-100%) ±2% (70-90%)
Pulse Rate range: 20-300 bpm
Pulse Rate Accuracy: ±1bpm
Alarm: Auto SatSeconds™ Technology
SPO2 sensor : Nellcor Neonate Sensor, binding shape, and disposable strap , Pediatric click sensor
Alarm setting: Adjustable from lower to upper and automatic memory

NIBP

Measurement method: Automatic vibration, Adap-DSP™
NIBP cuff: PHILIPS cuff, four size
Measurement types: Systolic, Diastolic, Mean
Work mode: Manual / Automatic
Auto measurement time: Adjustable 1min-480min
Measurement unit: mmHg / Kpa selectable
Measurement range:
Pediatric Mode:
Systolic pressure: 40-200mmHg
Diastolic pressure: 20-165mmHg
Mean pressure: 10-150mmHg
Neonatal Mode:
Systolic pressure: 40-150mmHg
Diastolic pressure: 10-100mmHg
Mean pressure: 20-110mmHg

Alarm type: Systolic pressure, Diastolic pressure, Mean pressure
Accuracy: ±5mmHg
NIBP pressure range: 0~300 mmHg
PR from NIBP: Measurement 40-240bpm
Over-pressure protection: Neonate: 150mmHg
Pediatric: 240mmHg

IBP

Measurement Range: -30mmHg~300mmHg
Channel: 2 channels
Pressure names: ARP, PA, CVP, RAP, LAP, ICP, P1, P2
Accuracy: ±1% or ±1bpm, whichever is greater
Calibration Mode: Zero Calibration

Temperature

Measurement range: 0-50°C
Resolution: 0.1°C
Accuracy: ±0.1°C
Measurement unit: °C /°F selectable

EtCO2- Sidestream/Mainstream (option)

Method: Infrared Absorption Technique
Sample Rate: 50mL/min. ±10 mL/min (sidestream)
CO2 Measurement Range: 0 to 150 mmHg
CO2 Resolution: 0.1 mmHg 0 to 69 mmHg
0.25 mmHg 70- 150 mmHg
CO2 Accuracy: 0-40 mmHg ±2 mmHg
41-70 mmHg ±5% of reading
71-100mmHg ±8% of reading
101-150mmHg ±10% of reading
AwRR: ±1 rpm
Response time: <3 seconds, includes transport time, risetime
Calculation Method: BTPS (Body Temperature Pressure Saturated)
Sample Gas Flowrate: 50ml/mi

Standard Configuration

◆ECG/HR ◆Nellcor OxiMax SpO2 ◆NIBP
◆Respiration ◆Temperature
◆Pulse ◆Backside Hook (Fix to incubator)

Optional Configuration

◆IBP ◆Dual Temperature
◆Thermal Recorder ◆Central Monitor Station
◆Special Accessories for Neonatal and Pediatric Patient



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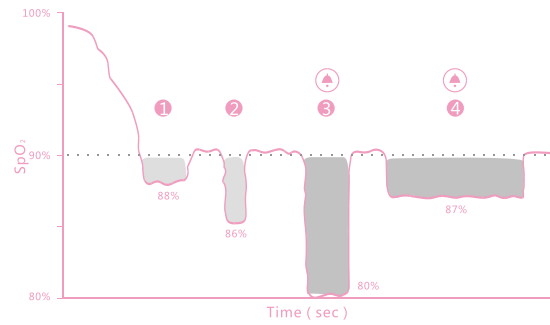
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C60 Neonatal Monitor

SatSeconds = Desaturation Points X Seconds

SatSeconds Alarm Management
violations vs. Alarms
Low SpO₂ alarm limit 90%, SatSeconds set to 100

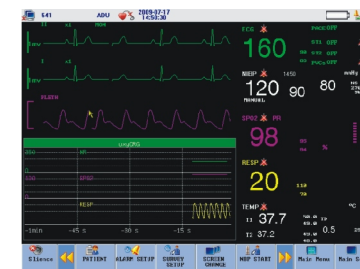
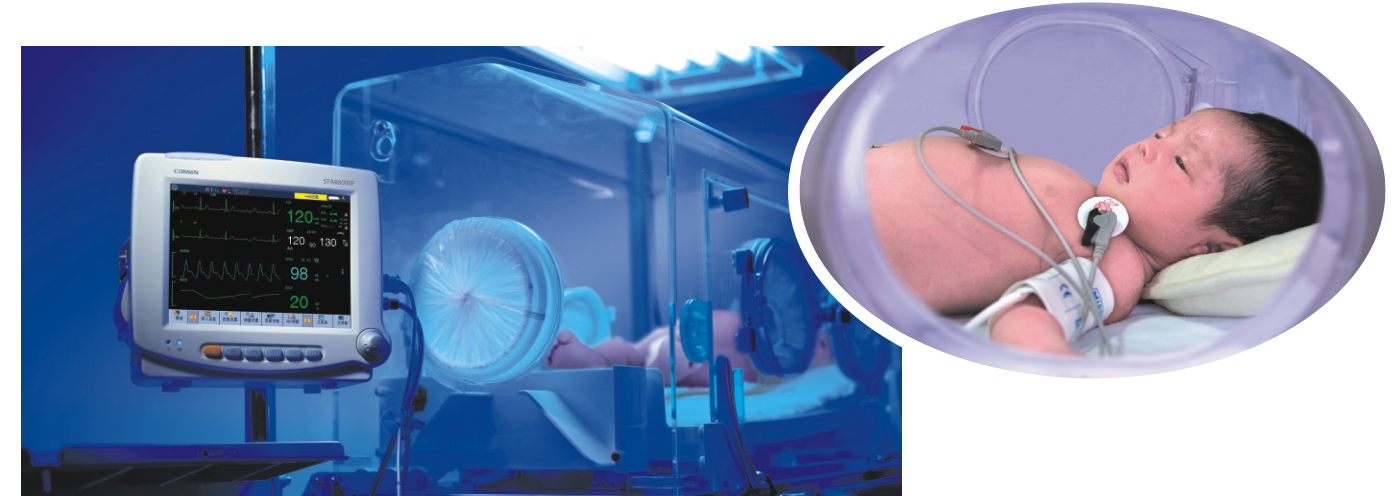


- SatSeconds™ intelligent alarm management technology to reduce the wrong alarm, doctor can get the latest SPO₂ status timely

1 SpO ₂ is 2 points below 90% for 10 seconds	= 20 SatSeconds	→ No Alarm
2 SpO ₂ is 4 points below 90% for 5 seconds	= 20 SatSeconds	→ No Alarm
3 SpO ₂ is 10 points below 90% for 10 seconds	= 100 SatSeconds	→ Alarm
4 SpO ₂ is 3 points below 90% for 34 seconds	= 102 SatSeconds	→ Alarm

- CE qualified special neonatal wrapping SpO₂ sensor, anti-avulsion, avoid cross infection
- World leading Oximax SpO₂ system as standard configuration
- Oximax system can eliminate the interference effectively and ensure the data accuracy in low perfusion

Share the human touch brought by versatile Neonatal Monitor, when the life begins....



- OxyCRG: Display the interactive relation between heart rate, respiration and oxygen on the same screen, convenient for observing the clinic change of neonate
- ST analysis, Arr. analysis, Drug-dose calculation.etc



- PHILIPS NIBP cuff, four size for different of neonate
- C60 enhance the anti-interfere capability of the NIBP measurement to ensure the data accuracy in neonate movement status
- According to the low blood pressure and low perfusion character of neonate, COMEN use Adap-DSP™ system to provide more accurate measurement
- Particular neonate measurement mode, soft & hard over-pressure protection

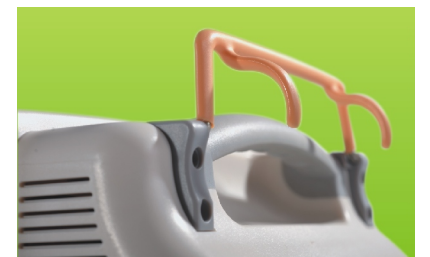
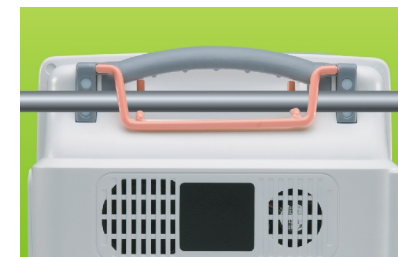
- SD card socket: extend memory capacity, convenient for computer data saving and file recording
- Net Port: Maximum 128 units bedside monitors to connect the central monitoring system, wired or wireless network supportable



- Lightweight and compact, 2.5KG
- Li-ion battery, 4 hours working time



- According to the character of neonate's HR, use the latest COMEN ExNeo™ ECG Technology to guarantee the accuracy of measurement.
- Anti-motion respiration testing technology, apnea alarm
- Specialized neonatal ECG cable and electrodes



■ Various mounting solutions