



## C60 Specialized Neonatal Monitor

### General Specification

#### Configuration

Standard: ECG, RESP, Dual-Temperature, Masimo SPO2, NIBP, O2, Reserved-EtCO2 interface

Optional: EtCO2, Nellcor SPO2, Dual-IBP, OxyCRG, wake-up

#### Power Supply

AC input voltage: 100-240V~, 50/60Hz

Built-in battery (Standard) : 2200mAh, at least 2 consecutive hours.

#### Display

Dimension: About 242mm×218mm×121mm

Weight: About 2.5 kg

Display: 8.4" color TFT touch screen

Waveforms: maximum 6 waveforms display

Resolution: 800×600

#### Environmental Specifications

Environment temperature: 5°C ~ 40°C

Relative humidity: ≤ 93%

Atmospheric pressure: 700hPa ~ 1060hPa

#### Indicator

Dual alarm indicator lights, Power indicator light, Battery indicator light, QRS beep and alarm sound, Operating key sound

#### External interface

Parameter cable interface, AC power input socket, USB port, RJ45 port, Multifunction port, VGA port, Equipotential, Apnea awaking socket

### Technique Specification

#### Data Review and Storage

NIBP storage: 2000 groups

NIBP storage: 2000 groups

Alarm storage: 200

Trend table/graph: 160hrs

Full disclosure waveform: 48h

Power-off Protection: 48h

#### ECG Specifications

Lead type: 5 Lead and 3 lead selectable Lead selection:

3-lead (I, II, III), 1- channel

5-lead (I, II, III, avR, avL, avF, V), 2 -channel

HR measurement range:

Neonate/child: 15~350bpm

Accuracy: ±1% or ±2bpm (whichever is greater)

ST measurement range: 2.0mV~+2.0mV (-20.0 mm~+20.0 mm)

Arrhythmia: 26 calls

Waveform speed: 6.25mm/s, 12.5mm/s, 25 mm/s, 50 mm/s

Gain selection: 1.25, 2.5, 5.0, 10, 20, 40mm/mV, Auto.

Pacemaker detection: Yes

Protection:

Against electrosurgical interference and defibrillation.

Bandwidth:

Surgery mode: 1 Hz ~ 20 Hz

Monitoring Mode: 0.5 Hz ~ 40 Hz

Diagnosis mode: 0.05Hz ~ 130 Hz

Resp Specifications:

Measurement method: Thoracic impedance

Measurement range: Child/neonate: 0rpm-150rpm

Accuracy: 0~6rpm, not defined;

7~150rpm 2% or ±2rpm (whichever is greater)

Sweep Speed: 6.25, 12.5, 25, 50mm/s

Gain Selection: X0.25, X0.5, X1, X2, X4

#### Non-invasive Blood Pressure(NIBP)

Method: Automatic oscillation

Work mode: Manual, auto and continuous

Measuring parameter:  
systolic pressure, diastolic pressure, mean arterial pressure

Measurement range for neonate:  
Systolic: 5.3 kPa -18kPa (40-135mmHg)  
Diastolic: 1.3 kPa -13.3kPa (10-100mmHg)  
Mean: 2.7 kPa -14.7kPa (20-110mmHg)

Accuracy: 3mmHg

### SpO2 Specifications

Measurement range & Accuracy:  
Masimo SpO2:  
measurement range is 1%~100%, with range of 70%~100%:  
measurement error should be±3%  
Nellcor SpO2:  
Nellcor measurement range is 0%~100%, with range of 70%~100%:  
measurement error should be±3% (No state of motion)

Perfusion index (PI):  
Range for Masimo SpO2 and Comen SpO2:  
0.02%~20%; accuracy: not defined.  
Resolution: 0.01% (within 0.02%~9.99% range) or 0.1%  
(within 10.0%~20.0% range).

### PR Specifications

Measurement range and accuracy:  
Masimo SpO2: 25~240bpm; resolution: 1bpm;  
Accuracy: ±3bpm(non-motion) ±5bpm(motion)  
Nellcor SpO2: 20~300bpm; resolution:1bpm;  
Accuracy: ±3bpm

### Temp Specifications

Measurement range: 0℃~50℃  
Accuracy: ±0.1℃  
Number of channels: 2

### O2 sensor specifications

Measurement range and accuracy: 0~100%, accuracy ±1%  
Response time: <15s

### Wake up specification

Measuring range: RESP, CO2, SpO2 and HR  
Trigger condition: RESP<7bpm, CO2<7 mmHg,  
SpO2 <85% (default) or HR<100(default)  
Stimulus mode: Beater vibration  
Stimulus strength: 15000± 800 rpm  
Stimulus frequency: 5s (Stimulate for 3s and stop for 2s)  
Response time: 0-20s

### Recording Specifications

Recording paper width: 50mm  
Paper speed: 25/50 mm/s  
Number of waveforms: 3

### TEMP specification

Measurement range: 0℃~50℃  
Accuracy: ±0.1℃  
Number of channels: 2  
Transient response: No greater than 40 seconds

### CO2 Specifications

Masimo EtCO2 sensor (mainstream):  
CO2 measurement range:  
0mmHg~190mmHg, 0~25% (at 760mmHg)  
CO2 resolution: 1mmHg, 0.1kPa or 0.1%  
CO2 accuracy: 0~15%: ±(0.2%+reading×2%)  
15~25%: not defined

Masimo EtCO2 sensor (sidestream):  
CO2 measurement range:  
0mmHg~190mmHg, 0~25% (at 760mmHg)  
CO2 resolution: 1mmHg, 0.1kPa or 0.1%  
CO2 accuracy: 0~15%: ±(0.2%+reading×2%)  
15~25%: not defined

Respironics/Nmed/Palconn EtCO2 sensor (mainstream)  
CO2 measurement range:  
0~150mmHg C g 0%~19.7% (0~20.0kPa)  
CO2 resolution: 0~69mmHg: 0.1mmHg  
70~150mmHg: 0.25mmHg  
CO2 accuracy: 0~40mmHg: ±2mmHg  
41~70mmHg: ±5%×reading  
71~100mmHg: ±8%×reading  
101~150mmHg: ±10%×reading

Respironics/Nmed/Palconn EtCO2 sensor (side stream)  
CO2 measurement range:  
0~150mmHg 0%~19.7% (0~20.0kPa)  
CO2 resolution: 0~69mmHg: 0.1mmHg  
70~150mmHg: 0.25mmHg  
CO2 accuracy: 0~40mmHg: ±2mmHg  
41~70mmHg: ±5%×reading  
71~100mmHg: ±8%×reading  
101~150mmHg: ±10%×reading

### IBP Specifications

Channels: 2  
Measurement range: -1.3kPa~+40kPa(-50mmHg~+300mmHg)  
Resolution: 0.1kPa or 1mmHg  
Accuracy: ±1mmHg or ±2%, whichever is greater .

Specifications subject to change without notice

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