

Neonatal monitor C60 (C68)



Standard configuration:

ECG, RESP, Dual-Temperature, Masimo SPO2, NIBP, wake-up, O2, Reserved-EtCO2 interface

Optional:

EtCO2, Comen or Nellcor SPO2, Dual-IBP

Safety Standards

FDA / ISO 13485:2003 approved, CE marking according to MDD93/42/EEC

Physical Characteristics

Product Size: 242mm×218mm×121mm
Net Weight: 2.8kg

Operation Environment

working 0-40°C
Temperature:
Humidity: 15%-95%
Power Supply 100-240V~ 50/60Hz

External Power Supply

Battery Type: Rechargeable plug & play battery
Lithium-ion
Battery Capacity: 3100mAh

Battery Recharging Time: Maximum 6.5 hours for charging;
Battery working period: 3~4 hours for continuous working period;

Performance Specifications

Display: 8.4" color TFT touch screen
Resolution: 800x600
Trace: 4 waveforms(MAX)
Dual alarm indicator lights
Power indicator light
Indicator: Battery indicator light
QRS beep and alarm sound
Operating key sound
Parameter cable interface
AC power input socket
Interface: Software upgrade through networking port or USB port
USB port
RJ45 port
Alarm: User-adjustable High and Low 3-level Limits ;

	Prioritized audible and visual alarm	Measurement types:	Systolic, Diastolic, Mean
Network:	Connected to Central Monitoring System by hardwire/wireless		Systolic pressure 40-135mmHg
Data:	Power-off storage	Pressure range for Neonates:	Diastolic pressure 10-100mmHg
Alarm Event Recall:	500 groups (120hours)	Over-pressure protection:	Mean pressure 20-110mmHg
Wave Recall:	24 hours	Accuracy:	both Hardware and software over pressure protection
NIBP Recall:	2000 groups	Alarm PR from NIBP Measurement :	±3mmHg
Trend Graph:	120 hours		Systolic, Diastolic, Mean
Trend Table:	120 hours		40-240bpm
Respiration			
Method:	Thoracic impedance (RA-LA or RA-LL)	Temperature (Dual Channel)	
RR measurement range:	Neonate: 0-150rpm	Measurement range:	0-50°C
Resolution:	±1 rpm	TEMP sensor:	Standard configuration- skin TEMP sensor,
Alarm:	Audible and visual alarm; alarm events recallable	Resolution:	0.1°C
Sweep Speed:	6.25,12.5,25,50mm/s	Accuracy:	±0.1°C (exclusive of error of sensor)
Gain Selection:	X0.25, X0.5, X1, X2, X4	Channel:	2 channels, T1, T2, TD (Temperature Difference)
ECG			
Lead Type	5 Lead and 3 lead selectable	 Nellcor SPO2	
5 leadwire cable:	RA; LA; RL; LL; V or R; L; N; F; C	Measurement alarm range:	& 0~100%
3 leadwire cable:	RA; LA; LL or R; L; F	Resolution:	1900-1-0 0:14:24
Lead selection:	5-lead: I; II; III; aVR; aVL 3-lead: I; II; III	Accuracy:	±2% (70-100%, MAX-A, MAX-AL, MAX-N, MAX-P, MAX-I and MAX-FAST sensors); ±3% (70-100%, D-YS, DS-100A, OXI-A/N and OXI-P/I sensors); 0-69% unspecified
Gain Selection	X0.25, X0.5, X1, X2,X4, auto	PR Measurement Range:	20~300bpm
Sweep Speed	6.25,12.5, 25, 50mm/s	Resolution:	1bpm
Heart Rate Range	Pediatric/Neonate:15-350bpm	Accuracy:	±3bpm
Resolution:	1 bpm	Alarm range:	20-250bpm
Accuracy:	±1% or ±2bpm (whichever is greater)	Masimo SPO2	
	ECG enlarge width:	Measurement & alarm range	1~100%
Filter	MON: 0.5-40Hz DIA: 0.05-130Hz OPE:1-20Hz	Resolution:	1%
ST SEGMENT detection:	-2.0mV - +2.0Mv (Automatic)	Accuracy:	±2% (70~100%)
Arrhythmia Analysis :	Yes		±3% (70-100%, Neo, non-motion); 0-69% unspecified
pacemaker detection:	detectable	Alarm range	0~100%
NIBP			
Method	Automatic oscillometric		
Work mode:	Manual / Automatic/Continuous		
Auto measure time:	Adjustable(1-480min)		
Measurement Unit:	mmHg / Kpa selectable		

Pulse rate: Range: 25~240bpm
 Resolution:1bpm
 Accuracy: ±3bpm(non-motion)
 ±5bpm(motion)
 Alarm range:25~240bpm

Comen SPO2

Measurement & 0~100%
 alarm range
 Resolution: 0.01
 Accuracy: ±2% (70~100%,
 ±3% (70-100%, Neo, non-motion);
 0-69% unspecified)

Alarm range 0~100%

Pulse rate: Range: 20~300bpm
 Resolution:1bpm
 Accuracy: ±3bpm(non-motion)
 ±5bpm(motion)
 Alarm range:20~250bpm

EtCO2(Sidestream)

CO2 Measurement 0 -150 mm Hg, 0 to 79%, 0 to
 Range: 20kPa (at 760mmHg)
 Accuracy: ± 2 mm Hg (0 – 40 mm Hg)
 ± 5% of reading (41 – 70 mm Hg)
 ± 8% of reading (71 –100 mm Hg)
 ± 10% of reading (101 –150 mm Hg)

awRR range 0-150rpm
 RR accuracy: ±2rpm (0-70rpm)
 ±5rpm (> 70rpm)

Response time: <240msec (10% to 90%)

Delay time: <2s

EtCO2(mainstream)

CO2 Measurement 0 -150 mm Hg, 0 to 79%, 0 to
 Range: 20kPa (at 760mmHg)

Accuracy: ± 2 mm Hg (0 – 40 mm Hg)
 ± 5% of reading (41 – 70 mm Hg)
 ± 8% of reading (71 –100 mm Hg)
 ± 10% of reading (101 –150 mm Hg)

awRR range 0-150rpm
 awRR precision ±2rpm (0-70rpm)
 ±5rpm (> 70rpm)

Delay time: <2s

Oxygen Concentration

Measurement 0~100%

Range :

Resolution 0.01

Alarm Range: 0%~100%

Response Time <15s

Wake-up

Resp/CO2 ≤7bpm
 Alarm Parameter SPO2 value ≤85%, (80-90% range
 and Range can be adjusted)
 Resp ≤100 (90-110 range can be
 adjusted)
 Alarm delay 1s、2s、3s ; default:2s (15s、0-20s
 range can be adjusted)

IBP

Channel 2 channels
 Measured Pressure AVP, CVP, PAR, LAP, RAP, ICP
 Measurement -10mmHg~300mmHg
 Range:
 Alarm Range: -50mmHg~300mmHg
 Accuracy: ±2% or ±1mmHg, whichever is
 greater

***Notice: Specifications subject to changes without prior notice. All rights reserved by Comen**

