Heidelco
MEDICORE

60
ECG
SpO2 % PI 2.00
98
100
90
RESP
20
NIBP mmHg 17:56
120 / 80 (90)

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MEDICORE

HM800 Neo

HM800 Neo
Exclusively for Neonates

Fast Launch   CMS Connection

Ample Storage   Li-Polymer

Fanless   Professional software

HM800 Neo | The most durable Patient Monitor

DESIGNED FOR NICU

The newborn patient is either restless or too quite, for which the movement interference or low perfusion index may affect monitoring frequently.

HM800 Neo's specialized design for premature patients always offers the best monitoring reading to the doctor or nurse no matter the baby is active or quite.

Product advantages :

- 8.4" color TFT touch screen

- Professional software & design dedicated in neonates monitoring

- Core technology in ECG/SPO2 /NIBP securing the accurate measurement for neonates. Masimo SPO2 & Suntec NIBP modules (optional)

- High capacity lithium battery

- Apnea wake-up package (optional)

- Oxygen Concentration module (optional)

Technical Specifications

General Specifications

Dimension	301(W)×266(H)×145.5(D)mm
Gross Weight	3.5Kg
Power Requirement	Input AC 100-240V 50/60Hz 1.0A-0.4A
Temperature	0ºC ~ 40ºC
Humidity	15% ~ 80% (non-condensing)
Patient range	Neonate
Display	8.4" Color TFT LCD
	Rolling and refreshing waveform display
	Resolution:800*600
	Multi displays selectable, including: Standard display, Trend coexist display, Large-font display, OxyCRG dynamic view display
Trace	7 traces
	Sweep speed:12.5mm/s,25mm/s,50mm/s
Indicator	Alarm indicator light, Power indicator light, Battery indicator light, QRS beep and alarm sound
Interface	Parameter cable interface
	AC Power input socket
	Network interface
	External VGA interface for connection
Li-ion Battery	Rechargeable(For 1 piece), At least 2 hours for continuous working
Trend time	168 hours
Alarm	User-adjustable High, Medium, and Low limits 3-level audible and visual alarm
Networking	Connected to central station system
Recorder	Built-in, thermal array
	Waveform: 4 Channel (standard)
	Record mode: real time recording
	Paper width: 112mm
	Print speed: 25mm/s

ECG

Input	3-Lead or 5-Lead selectable
	3 leadwire cable: RA; LA; LL or R; L; F
	5 leadwire cable: RA; LA; RL; LL; V or R; L; N; F; C
Lead selection	3-lead: I,II, III
	5 lead:I，II，III，AVR，AVL，AVF, V
ECG Waveform	2 channel
Gain selection	×0.25,×0.5,×1,×2,Auto
Sweep speed	12.5mm/s, 25mm/s, 50mm/s
Heart Rate for Neonate	15-350BPM
Heart Rate for Pediatric	15-300BPM
Accuracy	1bpm or 1%, whichever is greater
Resolution	1bpm
Filter	Diagnostic mode:0.05-100Hz
	Monitor mode:0.5-40Hz
	Surgical mode:1.0-25Hz
Protection	Withstand 5000VAC/50Hz Voltage in isolation
	Against electrosurgical interference and defibrillation
Alarm range	15-350bpm
ST segment detection	Measurement range: -2.0mv to 2.0mv
	Alarm range: -2.0mv to 2.0mv
Arrythmia analysis	Yes
Alarm	Yes,audible and visual alarm, alarm event recallable
Pace detection	Yes
Apnea analysis diagram	display
Drug dose calculation	Yes
Standby mode	Yes

Certificate

ISO	ISO 13485:2016

Respiration

Method	Thoracic impedance
Measurement range	Neonate：0~150rpm
Apnea alarm	Yes, no alarm,10s,15s,20s, selectable
Alarm	Yes, audible and visual alarm, alarm events recallable
Method	Auto/Manual
Standby mode	Yes

NIBP

Method	Oscillometric
Measurement modes	Manual/Automatic/Continuous
Displayed parameters	Systolic, diastolic and MAP(mean arterial pressure)
Auto measure time	Adjustable
Measurement unit	mmHg/kPa selectable
Measurement type	Systolic, Diastolic, Mean
Range of Systolic pressure	Neonate：40-135mmHg
Range of Diastolic pressure	Neonate：10-100mmHg
Range of Mean pressure	Neonate：20-110mmHg
Accuracy	±6mmHg
Resolution	1mmHg
Alarm	Systolic, Diastolic ,Mean
Over-pressure protection	Double safety protection

SPO₂

Measurement range	0%~100%
Resolution	1%
Accuracy	±2%(70%-100%); unspecified(0-69%)
Alarm range	0%~100%
Pulse rate	Range:20bpm ~ 254bpm
	Resolution:1bpm
	Accuracy:±3bpm
	Alarm range:0~254bpm

RESP

Measurement	Method: Thoracic impedance
	Range: 0~120rpm
Accuracy	±2rpm or ±5%, whichever is greater
Alarm Limit Range	0~120bpm
Alarm Tolerance	±2rpm or ±5%

TEMP

Measurement range	0~50ºC
Resolution	0.1ºC
Accuracy	±0.1ºC
Channel	T1

ETCO₂

Measurement range	0-99mmHg
Accuracy	0 to 40mmHg ±2mmHg
	41 to 76mmHg ± 5mmHg
	77 to 99mmHg ±10mmHg
Sample flow rate	Minimum: 50ml/m-7.5ml/m
	Maximum: 50ml/m+15ml/m
Start-up time	<1min,once the module starts up, it reaches ISO
	After 1 min,enter the full accuracy mode
Respiration rate	0 to 120rpm
Respiration rate accuracy	±2 rpm
Response time	<240msec（10% to 90%）

Standard:

ECG/SPO2/ NIBP/RESP/TEMP/PR/HR

Optional :

EtCO2 / Masimo SET SPO2 / Suntech NIBP/ Oxygen Concentration module / Apnea wake up module / Waveform printer (Optional)