

NC 5

PATIENT MONITOR



Configuration	Standard Configuration	COMEN SpO ₂ , NIBP, PR
	Optional Configuration	3-Lead ECG, Nellcor/Masimo SpO ₂ , Ear Temp, Thermal Recorder, Suntech NIBP
Safety Standards	ISO 13485:2016 approved, CE marking according to MDD93/42/EEC	
Physical Characteristics	Product Size	165mm*250 mm*165mm
	Net Weight	≤2.5kg (battery excluded)
Operation Environment	Working Temp	5-40°C
	Humidity	≤93%
	Power Supply	100-240V~, 50/60Hz±1Hz
	Battery Type	Rechargeable Lithium-ion battery
	Battery Capacity	2200mAh (Working time: 3hours)/ (Optional 4400mAh (Working time:8hours))
	Battery Recharging Time	Maximum 5.5 hours for charging under power-on state (2200mAh); Maximum 10.5 hours for charging under power-on state (4400mAh)
	Battery backup	3 hours for continuous working
	Display	8" color TFT capacitive touch screen
	Resolution	800*600
	Display Trace	Up to 2 waveforms: ECG and PLETH WAVE
Indicator	2 alarm indicators	
	Power indicator	
	Battery indicator	
	QRS beep and alarm sound	
	Operating key sound	
Interface	Parameter interface	ECG, SpO ₂ , NIBP, TEMP
	AC socket	Power input
	USB port	2
	Network port	RJ45
	Multi-Fun.	Multi-Functional port
Data storage	Alarm Event Review	200 groups
	Wave Review	48 hours
	NIBP Review	2000 groups
	Trend data	160 hours
	Power-off storage	Yes
Features	Alarm	User-adjustable High and Low 3-level Limits Prioritized audible and visual alarm
	Network	Connected to Comen Central Monitoring System or HL7 by hardwire/wireless
	WIFI	Yes
	Mode	Spot check and monitoring
	USB	Software upgrade(standard), bar code scanner, printer and external devices(optional)
	Multi-Fun.	Nurse Call
	Data	Data storage, review and transfer
	Scoring system	MEWS, NEWS, EWS
	Protocol	HL7

Recorder	Type	Built-in; thermal array
	Channel	2 channel wave forms
	Speed	25mm/s ou 50mm/s
	Record width	50mm
ECG	Lead Type	3-Lead
	3-Lead Cable	I, II, III (monitoring mode)
	Gain Selection	X0.125, X0.25, X0.5, X1, X2,X4, auto
	Sweep Speed	6.25,12.5, 25, 50mm/s
	Heart Rate Range	15-350bpm
	Resolution	1 bpm
	Protection	Withstand 1500VAC/50Hz voltage in isolation; Against electrosurgical interference and defibrillation;
	Accuracy	±1% or ±1bpm (whichever is greater)
	Frequency	Monitoring Mode:0.5 Hz~40 Hz Diagnosis Mode: 0.05Hz~150 Hz Surgery Mode:1 Hz~20 Hz
	Pacemaker detection	Detectable
	ECG 2 Lead type	Limb clamps
NIBP	Method	Automatic oscillometry
	Work mode	Manual / Automatic/Continuous
	Auto mode test interval	Adjustable (1-720min)
	Measurement Unit	mmHg/kPa selectable
	Measurement types	Systolic, Diastolic, Mean
	Range of systolic pressure	Adult Mode:40-270mmHg - Pediatric Mode:40-200mmHg Neonate Mode 40-135mmHg
	Range of diastolic pressure	Adult Mode:10-215mmHg - Pediatric Mode:10-150mmHg Neonate Mode 10-100mmHg
	Range of mean pressure	Adult Mode:20-235mmHg - Pediatric Mode:20-165mmHg Neonate Mode 20-110mmHg
	Over-pressure protection	Both Hardware and software over pressure protection
	Accuracy	Less than ±3mmHg or ±0.4kPa
	Resolution	1mmHg or 0.1kPa
	Alarm	Systolic, Diastolic, Mean
	PR from NIBP	40-240bpm
	Resolution	1bpm
	Accuracy	±3% or ±3bpm, whichever is greater

Nellcor SpO₂	Measurement range	0-100%
	Alarm range	20%~100%
	Resolution	1%
	Accuracy	±2% (70~100%, Adu/Ped, non- motion) ±3% (70~100%, Neo, non-motion) Unspecified (0~69%)
	PR Measurement Range	20-300bpm
	Resolution	1bpm
	Accuracy	±3bpm (20-250bpm);Unspecified (251-300bpm)
	Alarm range	20~350bpm
Masimo SpO₂	Measurement range	1~100%
	Resolution	1%
	Accuracy	±2% (70-100%, Adu/Ped, non-motion) ±3% (70-100%, Neo, non-motion and motion) ±3% (70-100%, motion) Unspecified (1-69%)
	Alarm range	1~100%
	PR measurement range	25~240bpm
	PR Resolution	1bpm
	PR Accuracy	±3bpm(non-motion) ; ±5bpm(motion)
	Alarm range	20~350bpm
	PI value	0.02%~20%
	Resolution	0.01% (0.02%~9.99%) 0.1% (10.0%~20.0%)
Comen SpO₂	Accuracy	Unspecified
	Measurement range	0~100%
	Resolution	1%
	Accuracy	±2% (70~100%, Adu/Ped, non-motion) ±3% (70-100%, Neo, non-motion) Unspecified (0-69%)
	Alarm range	0~100%
	PR Measurement range	20-254bpm
	PR Resolution	1bpm
	PR Accuracy	±2bpm
	Alarm range	20~350bpm
	PI value	0.05%~20 %
Temperature (Ear Probe)	Range	34.0°~42.2°C
	TEMP sensor	IR Ear Temperature probe
	Resolution	0.1°C
	Accuracy	±0.2°C (At 35.0 °C to 42.0 °C) ±0.3°C (other range)

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