

Monitor Series Apollo N5

OR Monitor



Feature

- 15 inch high-resolution LED backlight LCD with touchscreen
- Modular design for convenient and efficient functions extension
- High anti-interference ability with 8000V ECG isolation voltage to resist defibrillator shocking
- Double isolation technique ensures IBP reading without interference when using electrosurgical
- Own developed optional function on EtCO₂ with 50ml/min flow rate
- Friendly interface ensures efficient operations during the surgery
- Optional VGA output for slave display in OR



Technical Specifications

ECG		Masimo SpO₂	
Input	3-Lead or 5-Lead selectable 3 Lead cable: RA;LA;LL or R;L;F 5 Lead cable: RA;LA;RL;LL;V or R;L;N;F;C	Measurement range	0%~100%
Lead selection	3-lead: I,II,III 5 Lead: I, II, III, AVR, AVL, AVF, V	Resolution	1%
ECG Waveform	2 channel	Accuracy	±2%(70%-100%); unspecified(0-69%)
Gain selection	×0.25,×0.5,×1,×2,×4,Auto	Alarm range	0~100%
Sweep speed	12.5mm/s, 25mm/s, 50mm/s	Pulse Rate Range	20~254bpm
Heart Rate	for Neonate 15-350BPM	Resolution	1bpm
Heart Rate	for Adult/Pediatric 15-300BPM	Accuracy	±3bpm
Accuracy	1bpm or 1%, whichever is greater	Alarm range	0~254bpm
Resolution	1bpm	Temperature	
Filter	Diagnostic mode: 0.05-100Hz Monitor mode: 0.5-40Hz Surgical mode: 1.0-25Hz	Measurement range	0~50°C
Protection	Withstand 5000VAC/50Hz Voltage in isolation Against electrosurgical interference and defibrillation	Resolution	0.1°C
Alarm range	Neonate: 15-350BPM Adult/Pediatric: 15-300BPM	Accuracy	±0.1°C
ST segment detection	Measurement range: -2.0mv to 2.0mv	Channel	T1、T2、TD
Alarm range	-2.0mv to 2.0mv	IBP	
Arrhythmia analysis	Yes	Channel	1 or 2 selectable
Alarm	audible and visual alarm, alarm event recallable	Measurement range	-50~400mmHg
Pace detection	Yes	Resolution	1mmHg
Drug dose calculation	Yes	Alarm	Systolic, Diastolic, Mean
Standby mode	Yes	Over-pressure protection	Double safety protection
Respiration		EtCO₂	
Method	Thoracic impedance	Measurement range	0-99mmHg
Measurement range	Neonate/Pediatric: 0~150RPM Adult: 0-120 RPM	Accuracy	0 to 40mmHg ±2mmHg 41 to 76mmHg ± 5mmHg 77 to 99mmHg ±10mmHg
Apnea alarm	No alarm, 10s, 15s, 20s, 25s, 30s, 35s, 40s selectable	Sample flow rate	Minimum: 50ml/m-7.5ml/m Maximum: 50ml/m+15ml/m
Alarm	Audible and visual alarm, alarm events recallable	Start-up time	<1min, once the module starts up, it reaches ISO After 1 min, enter the full accuracy mode
NIBP		Respiration rate	0 to 120rpm
Method	Oscillometric	Respiration rate accuracy	±2 rpm
Measurement modes	Manual/Automatic/Continuous	Response time	<240msec (10% to 90%)
Displayed parameters	Systolic, diastolic and MAP (mean arterial pressure)	Cardiac Output	
Auto measure time	Adjustable	Method	Thermodilution
Measurement unit	mmHg/kPa selectable	Measurement range	CO:0.1-20L./min., TB: 23-43°C, TI:0-27°C
Measurement type	Systolic, Diastolic, Mean	Resolution	CO:0.1/min., TI:0.1°C, TB: 0.1°C
Range of Systolic pressure	Adult: 40-270mmHg Pediatric: 40-200mmHg Neonate: 40-135mmHg	Accuracy	CO:±5%, TB: ±0.1°C, TI: ±0.1°C
Range of Diastolic pressure	Adult: 10-210mmHg Pediatric: 10-150mmHg Neonate: 10-100mmHg	Parameter output	Cardiac output, Hemodynamics calculation
Range of Mean pressure	Adult: 20-230mmHg Pediatric: 20-165mmHg Neonate: 20-110mmHg	Multi-gas/O₂	
Accuracy	±6mmHg	Method	Infrared Absorption
Resolution	1mmHg	Gas accuracy	CO ₂ : 0 to 15vol%, ±(0.2vol%+2% of reading) 15 to 25vol%, Unspecified N ₂ O: 0~100vol%, ±(2vol%+2% of reading) O ₂ :0~100vol%,±(1vol%+2% of reading) Enf, Iso, Hal: 0~8vol%, ±(0.15vol%+5% of reading) 8 to 25vol%, Unspecified Sev:0~10vol%, ±(0.15vol%+5% of reading) 10 to 25vol%, Unspecified Des:0~22 vol%, ±(0.15vol%+5% of reading) 22 to 25vol%, Unspecified
Alarm	Systolic, Diastolic, Mean	Data output	Fi and Etvalues
Over-pressure protection	Double safety protection	Respiration rate	0 to 150 ±1RPM
		Other	Up to 5 simultaneous gas, concentration waveforms, Agent mixture detection, MAC value displayed

Standard Configuration: ECG, SpO₂, NIBP, TEMP, PR/HR, RESP
Optional Functions: EtCO₂, 2IBP, C.O., Multi-gas/O₂, Recorder, 12 lead ECG



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