

Deluxe-100

Multi-Parameter Patient Monitor



Advancing Diagnosis and Patient Healthcare

Deluxe-100 Multi-Parameter Patient Monitor

- 10.4" high resolution color TFT screen
- 4-channel waveform display with NIBP list, switchable to observing screen
- Monitoring standard parameters of ECG, SpO₂, RESP, NIBP, TEMP & PR
- Automatic analysis of 20 arrhythmia waveforms
- S-T segment with manual analysis
- Digital SpO₂ technology with anti-motion & anti-low infusion
- Trend data analysis for 6/24/120/480 hours
- Store & review 800 groups of NIBP list data & 24-hour ECG waveforms
- Protection against interference from defibrillator & electrosurgical unit
- Feasible to be used on the patient with cardiac pacemaker
- Optimized modes for adult, pediatric & neonate
- Removable rechargeable battery
- Network capability



Technical Specifications

ECG

ECG Amplifier Bandwidth		Monitoring mode:0.5~40Hz Diagnosis mode:0.05~75Hz	
CMRR		≥89dB	
Heart Rate	Range	20~300bpm	
	Accuracy	±1% or ±2bpm, whichever is greater	
ECG Gain	1/2	5 mm/mV @ ±5%	
	1	10 mm/mV @ ±5%	
	2	20 mm/mV @ ±5%	
ECG Sweeping Speed		12.5mm/s, 25mm/s, 50mm/s @ ±10%	

NIBP

Measurement Method		Intelligent oscillometric method	
Parameters		Systolic, diastolic & mean pressure	
Working Modes		Manual, automatic & STAT (5 minutes)	
Pneumatic Pressure Range		0~300mmHg	
Cuff Type		Adult (standard) Child/neonate (optional)	
Average Measurement Time		<90sec	
Inflation Time		<10sec (typical adult cuff)	
Deflation Time		<2sec (typical adult cuff)	
Monitoring Range	Adult	Systolic 40~255mmHg	
		Mean 20~215mmHg	
		Diastolic 10~195mmHg	
	Child	Systolic 40~200mmHg	
		Mean 20~165mmHg	
	Neonate	Diastolic 10~150mmHg	
Systolic 40~135mmHg			
Mean 20~110mmHg			
Overpressure Protection Limit	Adult	300mmHg	
	Child	240mmHg	
	Neonate	150mmHg	
NIBP Accuracy		Maximum mean error ±5 mmHg	
		Maximum standard deviation 8 mmHg	

RESP

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

TEMP

Range	25.0~45.0°C
Accuracy	±0.2°C
Responding Time	≤150sec

SpO₂

Transducer	Dual-wavelength LED
SpO ₂ Measuring Range	35~100%
SpO ₂ Measuring Accuracy	±3% (50~100%)(RMS of difference)
Low Perfusion Capability	0.4~5%
Pulse Rate Measuring Range	30bpm~240bpm
Accuracy of Pulse Rate	±2% or ±2bpm, whichever is greater

General Specifications

Power Supply	100~250VAC, 50/60Hz
Display Mode	10.4 inches TFT color LCD
Alarming Mode	Audible & visible alarm
Communication	Ethernet port
Battery	Rechargeable lead-acid battery
Data Recording	Built-in thermal printer(optional)

Classification

Safety Standard	IEC 60601-1
Type of Protection Against Electric Shock	Type BF, CF applied parts
Degree of Protection Against Electric Shock	Class I equipment
Electro-Magnetic Compatibility	Group I, Class B

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