

# Deluxe-70

## Multi-Parameter Patient Monitor



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# Deluxe-70 Multi-Parameter Patient Monitor

- Widely applicable in hospitals and clinics and homes, especially in emergency
- 7" high resolution color TFT screen
- 5 or 7-channel waveform display with trend coexistence, switchable to observing screen
- Monitoring standard parameters of ECG, SpO<sub>2</sub>, RESP, NIBP, TEMP & PR
- Optimized modes for adult, pediatric & neonate
- Automatic analysis of 20 arrhythmia waveforms
- S-T segment with automatic & manual analysis
- Digital SpO<sub>2</sub> 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
- Audio and Visual alarms with 3-level classification
- Protection against interference from defibrillator & electrosurgical unit
- Removeable rechargeable battery
- Network capability (optional)



## 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	
		Diastolic 10~150mmHg	
Neonate	Systolic 40~135mmHg		
	Mean 20~110mmHg		
	Diastolic 10~95mmHg		
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

### SpO<sub>2</sub>

Transducer	Dual-wavelength LED
SpO <sub>2</sub> Measuring Range	35~100%
SpO <sub>2</sub> 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	100~240VAC, 50/60Hz
Display Mode	7 inches TFT color LCD
Alarming Mode	Audible & visible alarm
Communication	Ethernet port
Battery	Rechargeable lithium battery

### 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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