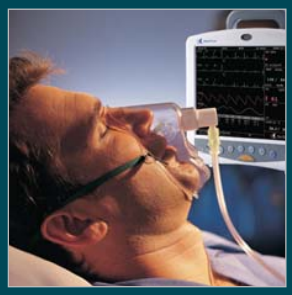
Heal Force

Heal Force Patient Monitor Series

Deluxe-140

Multi-Parameter Patient Monitor

CE 1011



Heal Force leads you to healthier life

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Deluxe-140 Multi-Parameter Patient Monitor

- 14.1" high resolution color TFT screen
- 5, 8 or 9-channel waveform display with trend coexistance, switchable to observing screen
- Monitoring standard parameters of ECG, SpO_2, 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_2 technology with anti-motion & anti-low infusion
- Trend data analysis for 6/24/120/480 hours
- Store & review 500 groups of NIBP list data & 24-hour ECG waveforms
- Protection against interference from defibrillator & electrosurgical unit
- Removeable rechargeable battery
- Network capability (optional)

Technical Specifications

SpO_2

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

TEMP

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

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

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%

RESP

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

General Specifications

Power Supply	100~250VAC, 50/60Hz
Display Mode	14.1 inches TFT color LCD
Alarming Mode	Audible & visible alarm
Communication	Ethernet port
Battery	Rechargable lead-acid battery
Data Recording	Built-in thermal printer (optional)
Extension Module	1-channel IBP (optional)
	2-channel IBP (optional)
	Sidestream CO_2 (optional)
	Mainstream CO_2 (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