



Macs 10

Multi parameter patient monitor





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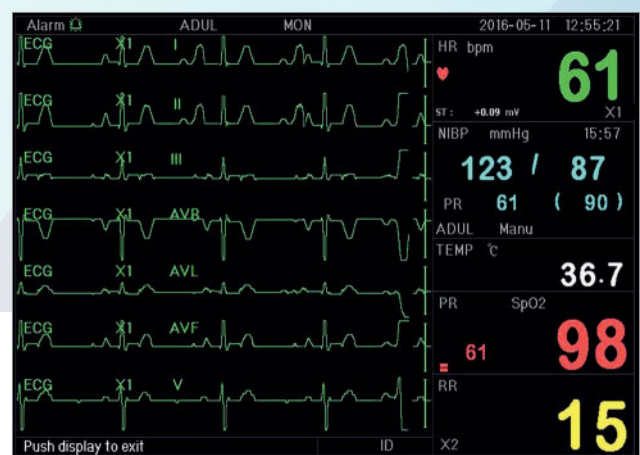
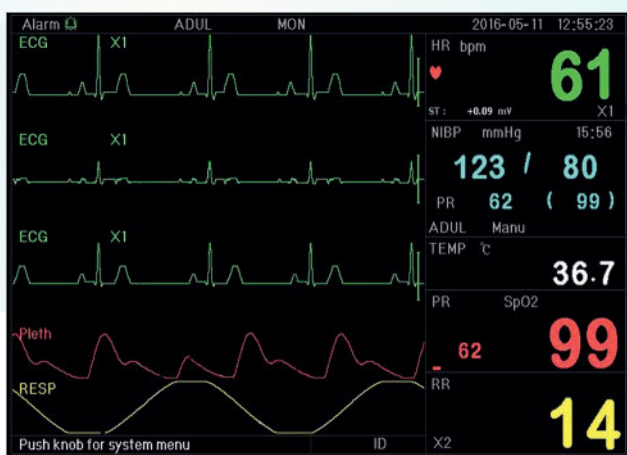
Multi parameter patient monitor

The Macs 10 is an affordable compact portable patient monitor with essential basic parameters such as ECG, RESP, temperature, SPO₂ and NIBP.



FEATURES

- 7" high resolution color TFT screen
- 5 or 7-channel waveform display with trend coexistence, switchable to observing screen
- Automatic analysis of 20 arrhythmia waveforms
- S-T segment with automatic & manual analysis
- Monitoring standard parameters of ECG, Spo2, RESP, NIBP, TEMP & PR
- Optimized modes for adult, pediatric & neonate
- DigitalSpo2 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
- Removable rechargeable battery
- Network capability (optional)



TECHNICAL SPECIFICATIONS

Macs 10 | SternMed Multi parameter patient monitor

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	5mm/mV@+5%
	1	10mm/mV@+5%
	2	20mm/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		0-300 mmHg
Cuff Type		Adult (standard)
		Child/neonate (standard)
Average Measurement Time		<90sec
Inflation Time		<10sec (typical adult cuff)
Deflation Time		<2sec (typical adult cuff)
Monitoring Range	Adult	Systolic 40-275mmHg Mean 20-230mmHg Diastolic 10-210mmHg
	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

SPO₂

Transducer		Dual-wavelength LED
SpO ₂ Measuring Range		35-100%
SpO ₂ Measuring Range		+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, 50/80Hz
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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