

STERNMED



Macs 30

Multi parameter patient monitor



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STERNMED®



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Multi parameter patient monitor

The Macs 30 is a multi parameter monitor offering a variety of applications. It can be used to measure and monitor parameters of SpO₂, NIBP, Pulse, TEMP, ECG and RESP.

Optional mainstream, sidestream EtCO₂ and 1 or 2-Channel IBP monitoring functions are also available.

FEATURES



- 15" high resolution color TFT screen
- 5 or 9 channel waveform display with trend coexistence, switchable to large font
- Monitoring standard parameters of ECG, SPO₂, RESP, NIBP, TEMP & pulse
- Automatic analysis of 20 arrhythmia waveforms
- S-T segment with automatic & manual analysis
- Digital SpO₂ technology with anti-motion & anti-low infusion
- Trend data analysis for 8/24/120 hours
- Storage & review 500 groups of data & 24-hour ECG waveforms
- Protection against interference from defibrillator & electrosurgical unit
- Feasible to be used with cardiac pacemaker together
- Optimized modes for adult, child & neonate
- Removable and rechargeable battery



OPTIONS

- Built-In thermal printer
- 1-Channel IBP
- 2-Channel IBP
- Nellcor compatible SpO₂
- Touch screen
- NIBP Neonate cuff
- SpO₂ Neonate Sensor
- NIBP Child cuff
- SpO₂ Child Sensor
- Rectal Temperature probe
- Monitor Trolley
- Respiroic EtCO₂
- Wall mounting rack
- Multigas without O₂



TECHNICAL SPECIFICATIONS

Macs 30 | SternMed Multi parameter patient monitor

ECG

ECG Amplifier Bandwidth	Monitoring mode:0.5-40Hz Diagnosis mode:0.05_75Hz	
CMRR	>80dB	
Heart Rate	Range	15-350bpm
	Accuracy	+2bpm
ECG Gain	1/2	5mm/mV+5%
	1	10mm/mV+5%
	2	20mm/mV+5%
	Auto	Auto gain control
Load Selection	GND; Standard I,II,III; aVR, aVL, aVF, chest V1-V8	
ECG Sweeping Speed	12.5mm/s, 25mm/s, 50mm/s	
Alarm Setting	Customized upper & lower limits & auto saved	

SPO₂

Display	SpO ₂ value & waveform pulse rate & histogram	
Resolution of SpO ₂	+1%	
Accuracy of SpO ₂	+2%(75-99%)	
	+3%(50-75%)	
Measurement Range of Pulse Rate	30-240 bpm	
Accuracy of Pulse Rate	+2bpm	
Alarm Setting	Customized upper & lower limits & auto saved	

RESP

Measurement Method	Thoracic Impedance	
Measurement Range	0-100 bpm	
Accuracy	±5%	
Alarm Setting	Customized upper & lower limits & auto saved	

TEMP

Range	28.0-45.0°C	
Accuracy	+0.2°C	
Alarm	Customized upper & lower limits & auto saved	

NIBP

Measurement Method	Intelligent Oscillometric method		
Parameters	Manual, automatic & STAT (5minutes)		
Working Modes	mmHg/kPa selectable		
Unit Display	0-300 mmHg		
Cuff Pressure Range	Adult (standard)		
	Child/neonate (optional)		
Automatic Measuring Time	1-240 minutes		
Inflation Time	<10s (typical adult cuff)		
Deflation Time	<2s (typical adult cuff)		
Monitoring Range	Adult/Child	Systolic	25-265mmHg
		Diastolic	12-220mmHg
		Mean	18-245mmHg
	Neonate	Systolic	25-135mmHg
		Diastolic	12-110mmHg
		Mean	18-120mmHg
Alarm Setting	Customized upper & lower limits & auto saved		

GENERAL SPECIFICATIONS

Standard Configuration	ECG, HR, RESP, NIBP, SpO ₂ , PR, TEMP, Battery	
Power	100-250VAC, 50/60Hz	
Power Consumption	< 80VA	
Display	TFT Color LCD (15")	
Alarm	Audible & Visual	
Networking	RJ45	
Battery	Rechargeable lead-acid battery	
Service Life	> 2 hours	
Safety Standard	EN IEC60601-1	



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