

SMART300

Three Channels Electrocardiograph



- High resolution LCD screen 320 x 240, vivid waveform display
- 12 leads ECG simultaneous acquisition
- Built-in high-resolution thermal printer
- Built-in rechargeable Li-ion battery, AC/DC power supply
- Anti-defibrillation and Pace-maker detection
- Complete digital filtering, resisting baseline drift. Automatic baseline adjustment
- Automatic ECG measurement and interpretation
- Large patient data storage: 150 ECGs, USB for data transfer to PC
- Three printing formats (Auto, Manual and Rhythm) selectable
- 1/2/3 channel ECG waveform and rhythm leads record out
- Lead status diagram display



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Technical Specifications



Input Circuit	Defibrillator protection built-in
Lead	Standard 12 leads
Acquisition Mode	12-leads ECG simultaneously
A/D Converter	12 bits
Measurement range	$\pm 5\text{mVpp}$
Time Constant	$\geq 3.2\text{s}$
Frequency Response	0.05-150Hz
Calibrating Voltage	$1\text{mV} \pm 2\%$
Sensitivity	2.5, 5, 10, 20mm/mV
Input Impedance	$\geq 50\text{M}\Omega$
Input Circuit Current	$\leq 0.05\text{mA}$
Noise Level	$\leq 15\mu\text{Vp-P}$
Anti Baseline Drift	Automatic
Filter	EMG Filter 25Hz/35Hz/45Hz/OFF DFT Filter 0.05/0.1/0.2/0.5Hz Lowpass Filter 150Hz/100Hz/70Hz AC Filter 50Hz/60Hz/OFF
CMRR	>100dB
Recording Mode	Auto: 3CH, 3CH+1R, 1CH, 1CH+1R Manual: 3CH, 1CH Rhythm: Single rhythm lead
Rhythm Lead	Any lead selectable
Power Supply	AC: 100V-150V / 220V-240V, 50/60Hz Built-in rechargeable Li-ion battery voltage=14.4V More than 2 hrs continuous work under batter supply
Recorder	Thermal Printer
Paper Style	Rolled or folded
Record Pater	80mm x 20m
Paper Speed	5mm/s, 10mm/s, 25mm/s, 50mm/s
Dimension	32mm x 28mm x 65mm
Weight	3kg (with battery)
Display	320 x 240 pixels LCD
External Input/Output	Input: $\geq 100\text{k}\Omega$: Sensitivity 10mm/V $\pm 5\%$ Output: $\leq 100\Omega$ Sensitivity 1V/V $\pm 5\%$
Communication Interface	Ethernet(option)



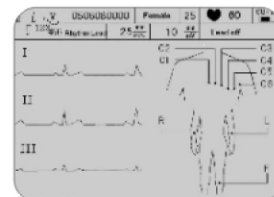
Compact, light weight
and portable design



Simple interface display,
easy operation mode



Automatic measurement
report



ECG lead status diagram map



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