



# SMART ECG

Series Electrocardiograph





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	SE-1200 Twelve Channel ECG	SE-1200 Express Twelve Channel ECG
Input Circuit	Floating input circuit, protection from defibrillation and pace maker	
Lead	Standard 12 leads	
Acquisition Mode	12 leads simultaneously	
A/D Converter	12 bits	
Input Voltage Range	$\pm 5\text{mVpp}$	
Time Constant	$> 3.2\text{s}$	
Frequency Response	0.05Hz ~ 150Hz	
Calibration Voltage	1mV $\pm$ 2%	
Sensitivity	2.5, 5, 10, 20 ,10/5,AGC (mm/mV)	
Input Impedance	50M $\Omega$ (10Hz)	
Input Circuit Current	$< 50\text{nA}$	
Noise Level	$< 15 \mu\text{Vp-p}$	
Anti Baseline Drift	Automatic	
Patient Leakage Current	$< 10 \mu\text{A}$ (220V-240V)	
Patient Auxiliary Current	$< 0.1 \mu\text{A}$ (DC)	
Filter	EMG filter 25Hz/35Hz/45Hz/OFF DFT filter 0.05/0.15/0.25/0.5Hz Lowpass filter 150Hz/100Hz/75Hz AC filter 50 Hz/60Hz	
CMRR	$> 100\text{dB}$	
Recording Mode	Auto/Manual/Rhythm	
Rhythm Lead	Single lead or three leads selectable	
Safety Standard	IEC I/CF	
Power Supply	AC:100V-240V, 50/60Hz	
Battery	Built-in rechargeable Li-ion battery: voltage=14.4V, for about 100 copy patient record	Built-in rechargeable Li-ion battery: voltage=14.4V, for about 400 copy patient record
Recorder	Thermal printer	
Record Paper	Roller and Z-fold 216mm , 210mm paper width	
Record Speed	5mm/s,10mm/s,12.5mm/s,25mm/s,50mm/s ( $\pm 3\%$ )	
Dimension	420mm x 330mm x 105mm	420mm x 330mm x 120mm
Display	320 x 240 dot single color LCD	800 x 600 multicolor LCD
External Input/Output	Input: $> 100\text{K}\Omega$ ; Sensitivity 10mm/V $\pm 5\%$ Output: $< 100\Omega$ ; Sensitivity 1V/mV $\pm 5\%$	
Communication Interface	Ethernet, RS232, USB	

Specification subject to change without prior notice