

SMART ECG Series



SE-6

Portable Unit

Compact design, lightweight with carrying handle
5.7 inch high-resolution screen

Various Methods of Data Transferring

USB Interface for patient records transmission
Ethernet or RS-232 interface for networking or data transmission to PC

Unique Features

Standby mode for saving energy and extending LCD life
Various printing formats
Freeze real time waveform and record with selected format

Easy To Use and Analyze

Single button operation for printing and storage
Built-in rechargeable Li-ion battery
Automatically detect and record arrhythmia
Last 120 seconds waveforms reviewable and recordable
Internal storage for up to 100 digital ECG records
Accurate ECG interpretation program
PC Software: Smart ECG Viewer (optional)





SMART ECG

Series Electrocardiograph

SE-6 six 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 Ω (10Hz)
Input Circuit Current	$< 50\text{nA}$
Noise Level	$< 12.5\mu\text{Vp-p}$
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 fliter 0.05/0.15/0.25/0.5Hz Lowpass fliter 150Hz/100Hz/75Hz AC filter 50 Hz/60Hz
CMRR	$\geq 110\text{dB}$
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
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
Display	320 \times 240 dot single color LCD
External Input/Output	Input: $\geq 100\text{K}\Omega$; Sensitivity 10mm/V $\pm 5\%$ Output: $\leq 100\Omega$; Sensitivity 1V/mV $\pm 5\%$
Communication Interface	Ethernet, RS232, USB

Specification subject to change without prior notice