



SE-1/SE-3

Single/Three-channel ECG

Technical Specifications

	SE-1 Single Channel ECG	SE-3 Three-Channel ECG
Input Circuit	Defibrillator protection built-in	
Lead	Standard 12 leads	
Acquisition Mode	Single lead	12 leads simultaneously
A/D Converter	12 bits	
Measurement Range	$\pm 5\text{mVpp}$	
Time Constant	$> 3.2\text{s}$	
Frequency Response	$0.05\text{Hz} \sim 150\text{Hz}$	
Calibration Voltage	$1\text{mV} \pm 3\%$	
Sensitivity	2.5, 5, 10, 20 (mm/mV)	
Input Impedance	$> 10\text{M}\Omega$	$> 50\text{M}\Omega$
Input Circuit Current	$< 50\text{nA}$	
Noise Level	$< 15 \mu\text{Vp-p}$	
Anti Baseline Drift	Auto	
Patient Leakage Current	$< 10 \mu\text{A}$ (220V-240V)	
Patient Auxiliary Current	$< 0.1 \mu\text{A}$ (DC)	
Filter	EMG Filter 35Hz (-3dB) AC Filter 50 Hz/60Hz (-20dB)	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	$> 90\text{dB}$	$> 110\text{dB}$
Recording Mode	Auto: 1CH, 1CH+1R Manual: 1CH	Auto: 3CH, 3/2 CH, 3CH+1R, 1CH, 1CH+1R Manual: 3CH, 3/2 CH, 1CH Rhythm: Single rhythm lead
Rhythm Lead	Any lead selectable	
Safety Standard	IEC I/CF	
Power Supply	AC: 100V-115V/220V-240V, 50/60Hz Built-in rechargeable Li-ion battery; voltage=14.4V More than 3 hrs continuous work under battery supply	
Recorder	Thermal printer	
Record Paper	50mm x 30m	80mmx20m
Paper Speed	25mm/s, 50mm/s ($\pm 3\%$)	5mm/s, 6.25mm/s, 10mm/s, 12.5mm/s, 25mm/s 50mm/s ($\pm 3\%$)
Dimension	288mm x 210mm x 70mm	
Weight	2.3kg (with battery)	2.5kg (with battery)
Display	192 x 64 pixels LCD	320 x 240 pixels LCD (Wide Screen) 192 x 64 pixels LCD (Narrow Screen)
External Input/Output	Input: $> 100 \text{ k}\Omega$; Sensitivity 10mm/V $\pm 5\%$ Output: $< 100 \Omega$; Sensitivity 1V/mV $\pm 5\%$	
Communication Interface	RS232	Ethernet, RS232



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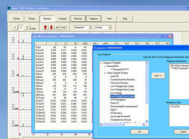
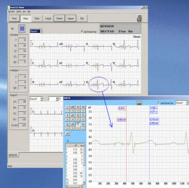
SE-3 Three - Channel ECG



SE-3(Wide Screen)

- Foldable LCD screen, vivid waveform display
- 12 leads simultaneous acquisition
- Built-in high-resolution thermal printer
- Built-in rechargeable Li-ion battery, AC/DC power supply
- Automatic ECG measurement and interpretation

Smart ECG Viewer



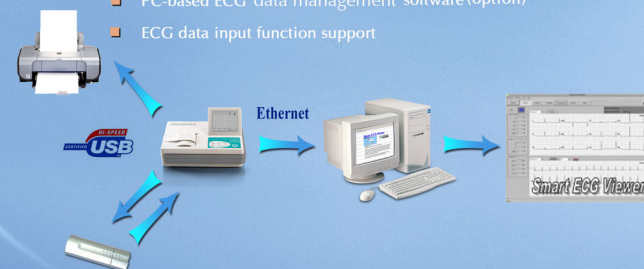
PC-based ECG data management software

- Complete digital filtering, resisting baseline drift, AC and EMG interference
- Automatic baseline adjustment
- Auto/manual work mode
- Lead-off detection and alert
- Three printing formats (Auto, manual and rhythm) selectable
- Heart rate variability (HRV) analysis



SE-3(Narrow Screen)

- 12 leads printing by external jet-printer
- Large patient data storage: 120 ECGs (Narrow Screen)
144 ECGs (Wide Screen)
- PC-based ECG data management software (option)
- ECG data input function support



SE-1 Single Channel ECG

- Foldable LCD screen, vivid waveform display
- Built-in high-resolution thermal printer
- Built-in rechargeable Li-ion battery, AC/DC power supply
- Well designed membrane keyboard

- Digital filtering, resisting baseline drift, AC and EMG interference
- Automatic baseline adjustment
- Auto/manual work mode
- Lead-off detection and alert