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	± 5mVpp	
Time Constant	≥ 3.2s	
Frequency Response	0.05Hz ~ 150Hz	
Calibration Voltage	1mV ± 3%	
Sensitivity	2.5, 5, 10, 20 (mm/mV)	
Input Impedance	≥ 10MΩ	≥ 50MΩ
Input Circuit Current	≤50nA	
Noise Level	<15 μVp-p	
Anti Baseline Drift	Auto	
Patient Leakage Current	< 10μA (220V–240V)	
Patient Auxiliary Current	<0.1μA (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	>90dB	>110dB
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 (± 3%)	5mm/s, 6.25mm/s,10mm/s,12.5mm/s,25mm/s 50mm/s (± 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 kΩ ; Sensitivity 10mm/V ± 5% Output: ≤ 100 Ω; Sensitivity 1V/mV ± 5%	
Communication Interface	RS232	Ethernet, RS232

Features and Specifications are subject to change without prior notice

TUV SÜD CE 0123

SE-3 Three - Channel ECG

Smart ECG Viewer

SE-3(Wide Screen)

SE-3(Narrow Screen)

- Complete digital filtering, resisting baseline drift, AC and EMG interference
- Automatic baseline adjustment
- Auto/manual work mode
- Lead-off detection and alert
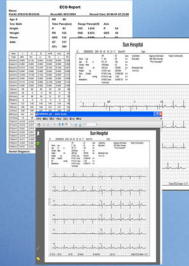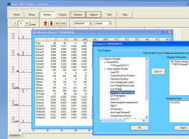- Three printing formats (Auto, manual and rhythm) selectable
- Heart rate variability (HRV) analysis
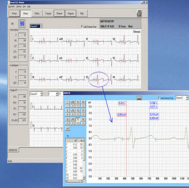
- Foldable LCD screen, vivid waveform display
- 12 leads simultaneous acquisition
- Built-in high-resolution thermal printer
- Built-in rechargeable Li-ion battery, AC/DC power supply
- Automatic ECG measurement and interpretation

PC-based ECG data management software

- 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

Ethernet

USB

Smart ECG Viewer

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

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