



SMART ECG

Series Electrocardiograph



	SE-100 Single Channel ECG	SE-300 Three Channel ECG
Input Circuit	Floating input circuit, protection from defibrillation and pace maker	
Lead	Standard 12 leads	
Acquisition Mode	Single	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	Automatic	
Patient Leakage Current	< 10 μA (220V-240V)	
Patient Auxiliary Current	<0.1 μA (DC)	
Filter	EMG Filter 35Hz (-3dB) AC/DFT Filter 50 Hz/60Hz (-20dB)	EMG Filter 25Hz/35Hz/OFF DFT Fliter 0.05/0.15/0.25/0.5Hz Lowpass Fliter 150Hz/100Hz/75Hz AC Filter 50 Hz/60Hz
CMRR	>90dB	>100dB
Recording Mode	Auto/Manual	Auto/Manual/Rhythm
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 continuously operation under battery supply	
Recorder	Thermal printer	
Record Paper	50mm x 30m	80mmx20m
Paper Speed	25mm/s, 50mm/s (± 3%)	5mm/s,10mm/s,12.5mm/s,25mm/s 50mm/s (± 3%)
Dimension	300mm x 260mm x 75mm	
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, USB

specification subject to change without prior notice



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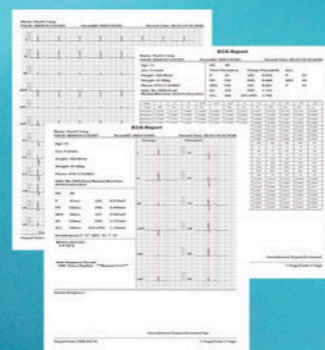
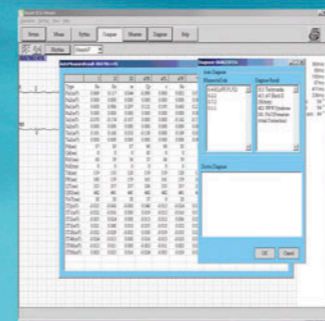
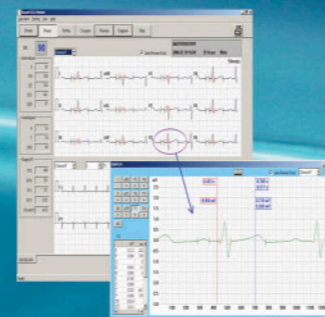
SE-300 Three Channel ECG



SE-300 (Wide Screen)

- Complete digital design
- Folding up LCD display waveforms, parameters configurable
- 12 Leads simultaneous acquisition
- High resolution thermal printing
- Built-in rechargeable Li-ion battery, AC/DC supply
- Automatic ECG parameter measurement and analysis

Smart ECG-Viewer



Smart ECG-Viewer software
Can import ECG data to PC
to implement visual display,
measure, analyze then print out
the ECG data information with
standard printer.

- Complete digital filter, avoid baseline drift, AC, EMG interfere
- Baseline automatic adjustable, optimize printing position
- Auto/manual operation selectable
- Lead-off detection and display
- Selectable printing format: Auto, manual, rhythm



SE-300 (Narrow Screen)

- Support USB ink-jet printer for 12 leads printing
- 100 patients data storage and transfer by USB flash disk, Ethernet or series port
- ECG data can be reviewed and managed on a Windows PC software



SE-100 Single Channel ECG

- Complete digital design
- Folding up LCD display waveforms, parameters configurable
- High resolution thermal printing
- Built-in rechargeable Li-ion battery, AC/DC supply
- Well designed touch panel

- Input/Output and RS-232 port
- Complete digital filter, avoid baseline drift, AC, EMG interfere
- Baseline automatically adjustable, optimize printing position
- Auto/manual operation selectable
- Lead-off detection and display