

# SE3 & SE1 ECG Range



## SE3 Wide Screen

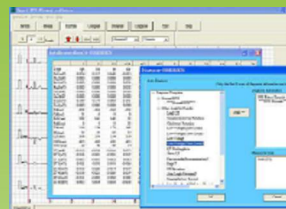
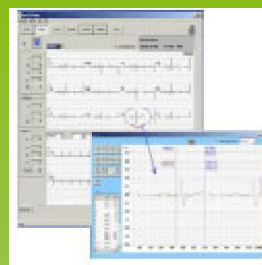
- Complete digital design
- Folding up LCD displays waveforms, parameters and is fully configurable
- 12 leads simultaneous acquisition
- Lithium-ion battery, AC/DC supply
- Automatic ECG parameter measurement and analysis



## SE1

- Complete digital design
- Folding up LCD displays waveforms, parameters and is fully configurable
- High resolution thermal printing
- Lithium-ion battery, AC/DC supply
- Input / Output and RS-232 Port
- Digital filter to avoid baseline drift, AC and EMG interference

## Smart ECG Viewer



Smart ECG Viewer software can import ECG data to PC to allow better analysis and review of data. ECG data can then be printed using a standard printer.



## SE3 Narrow Screen

- Complete digital filter, avoid baseline drift, AC and EMG interference
- Baseline automatically adjusts
- Automatically optimizes printing position
- Auto / manual operation selectable
- Selectable printing formats; auto, manual, rhythm
- Heart Rate Variability (HRV) analysis

- Support USB inkjet printer for data printing
- Can store 100 patients data. This can be transferred by flash disk, Ethernet or series port to PC
- Use flask disk to import data from PC to ECG unit



# SE3 & SE1 ECG Range

## Technical Specification

	SE1 ECG	SE3 ECG
INPUT CIRCUIT	Floating input circuit, circuit protection from defibrillation and pace maker	
LEAD	Standard 12 lead	
ACQUISITION MODE	Single	12 leads simultaneously
A/D CONVERTER	12 bits	
INPUT VOLTAGE RANGE	+/- 5mVpp	
TIME CONSTANT	>3.2s	
FREQUENCY RESPONSE	0.05 Hz ~ 150 Hz	
CALIBRATION VOLTAGE	1mV +/- 2%	
SENSITIVITY	2.5, 5, 10, 20, 10/5, AGC (mm/mV)	
INPUT IMPEDANCE	>10M	> 50 M
INPUT CIRCUIT CURRENT	<50nA	
NOISE LEVEL	< 15 $\mu$ Vp-p	
ANTI BASELINE DRIFT	Automatic	
PATIENT LEAKAGE CURRENT	< 10 $\mu$ A (220—240V)	
COMMUNICATION INTERFACE	RS232	Ethernet, RS232, USB

	SE12 ECG	SE12 EXPRESS ECG
PATIENT AUXILIARY CURRENT	< 0.1 $\mu$ A DC	
FILTER	EMG Filter 35Hz (-3dB) AC/DFT Filter 50Hz / 60Hz (-20dB)	EMG Filter: 25 / 35 / 45Hz / OFF DFT Filter: 0.05 / 0.15 / 0.25 / 0.5Hz Low Pass Filter: 150 / 100 / 75Hz AC Filter: 50 / 60Hz
CMRR	>90dB	>110dB
RECORDING MODE	Auto: 1CH, 1CH+1R Manual: 1CH	Auto: 3CH, 3/2CH, 3CH+1R, 1CH, 1CH+1R Manual: 3CH, 3/2CH, 1CH Rhythm: Single rhythm lead
RHYTHM LEAD	Any lead selectable	
SAFETY STANDARD	IEC I/CF	
POWER SUPPLY	AC 100-250V, 50 / 60Hz	
BATTERY	Rechargeable Lithium-ion. 14.4 V	
PRINTER	Thermal Printer	
RECORD PAPER	50mm x 30m	80mm x 20m
RECORD SPEED	25 / 50 mm/sec (+/- 3%)	5 / 6.25 / 10 / 12.5 / 25 / 50 mm/sec (+/- 3%)
DIMENSION	288mm x 210mm x 70mm	
DISPLAY	192 x 64 pixel LCD	320 x 240 pixel LCD (wide screen) 192 x 64 pixel LCD (narrow screen)
EXTERNAL INPUT / OUTPUT	Input: > 100K $\Omega$ ; sensitivity 10mV/V +/- 5% Output: < 100 $\Omega$ ; sensitivity 1V/mV +/- 5%	



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