

SE12 Smart ECG Range



SE-12

- Compact design with folding handle
- 5.7 inch folding screen for optimal viewing
- Digital filter to avoid baseline drift, AC and EMG interference
- Standby mode for saving energy and extending LCD life
- Single button operation for sampling, analysing, printing and storage
- Ethernet and RS-232 interface for data transmission to PC
- USB port for data transfer and USB interface printer
- Internal storage for 100 patients' data including waveforms and analysis results

SE-12 Express

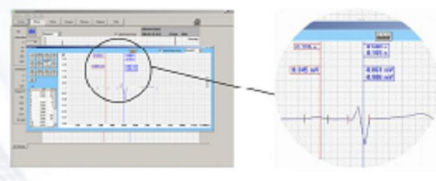
- 12.1 inch high resolution colour folding touch screen
- Alphanumeric keyboard
- Internal storage for 200 patients' data
- Preview for waveforms and result analysis before printing
- Freeze and replay the waveform to analyse arrhythmia
- Review, adjust and record waveforms to suit your needs
- Heart rate Variability (HRV) analysis
- Upgradeable to perform stress tests using either a treadmill or bicycle
- Can be Integrated with trolley and cable bracket



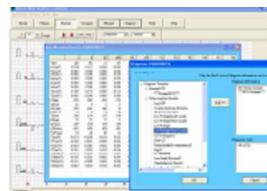
STRESS TEST UPGRADEABLE

Smart ECG Viewer

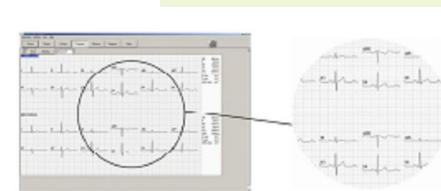
Manual Measurement



Interpretation

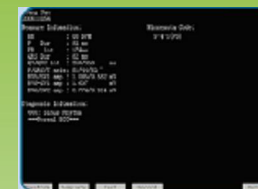


Compare Findings



PREVIEW & PRINT

We make it possible to preview both real time events and stored files before printing.



USEFUL TOOLS

Compare sample waveforms with templates supplied by the CSE Database (IEC 60601-2-51)

WAVEFORM PROCESS

Doctors can edit the printing style, speed, sensitivity and used filter to get a better waveform instead of repeating the examination of the patient.

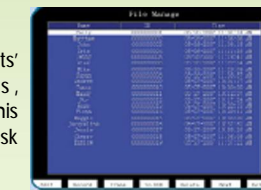


REPLAY & RECORD

Freeze and review waveforms, backwards and forwards per second or page, then print out to analyse every arrhythmia.

FILE STORAGE

Internal storage for up to 200 patients' data including waveforms, measurements and diagnosis. This data can also be saved on a flash disk or PC.



SE12 Smart ECG Range

Technical Specification

	SE12 ECG	SE12 EXPRESS ECG
INPUT CIRCUIT	Floating input circuit, circuit protection from defibrillation and pace maker	
LEAD	Standard 12 lead	
ACQUISITION MODE	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	50 M (10Hz)	
INPUT CIRCUIT CURRENT	<50nA	
NOISE LEVEL	<12.5 μ Vp-p	
ANTI BASELINE DRIFT	Automatic	
PATIENT LEAKAGE CURRENT	< 10 μ A (220—240V)	
COMMUNICATION INTERFACE	Ethernet, RS232, USB	

	SE12 ECG	SE12 EXPRESS ECG
PATIENT AUXILIARY CURRENT	< 0.1 μ A DC	
FILTER	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	>110dB	
RECORDING MODE	Auto / Manual / Rhythm / R-R Analysis	
RHYTHM LEAD	Single lead or three leads 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	Roll & Z-fold 215, 210mm paper width	
RECORD SPEED	5 / 10 / 12.5 / 25 / 50 mm/sec (+/- 3%)	
DIMENSION	420 x 330 x 105 mm	420 x 330 x 120 mm
DISPLAY	320 x 240 single colour LCD	800 x 600 multicolour LCD
EXTERNAL INPUT / OUTPUT	Input: > 100K Ω ; sensitivity 10mV/V +/- 5% Output: < 100 Ω ; sensitivity 1V/mV +/- 5%	



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