



# SMART ECG

## Series Electrocardiograph

	SE-12 Twelve Channel ECG	SE-12 Express Twelve Channel ECG
Input Circuit	Floating input circuit, protection from defibrillation and pace maker	
Lead	Standard 12 leads	
Acquisition Mode	12 leads simultaneously	
A/D Converter	12 bits	
Input Voltage Range	± 5mVpp	
Time Constant	> 3.2s	
Frequency Response	0.05Hz ~ 150Hz	
Calibration Voltage	1mV ± 2%	
Sensitivity	2.5, 5, 10, 20, 10/5.AGC (mm/mV)	
Input Impedance	50MΩ (10Hz)	
Input Circuit Current	< 50nA	
Noise Level	<12.5 μ Vp-p	
Anti Baseline Drift	Automatic	
Patient Leakage Current	< 10 μ A (220V~240V)	
Patient Auxiliary Current	<0.1 μ A (DC)	
Filter	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	> 110dB	
Recording Mode	Auto/Manual/Rhythm/R-R Analyse	
Rhythm Lead	Single lead or three leads selectable	
Safety Standard	IEC I/CF	
Power Supply	AC:100V~240V, 50/60Hz	
Battery	Built-in rechargeable Li-ion battery: voltage=14.4V, for about 100-patient records	Built-in rechargeable Li-ion battery: voltage=14.4V, for about 400-patient records
Recorder	Thermal printer	
Record Paper	Roll and Z-fold 216mm, 210mm paper width	
Record Speed	5mm/s, 10mm/s, 12.5mm/s, 25mm/s, 50mm/s (± 3%)	
Dimension	420mm x 330mm x 105mm	420mm x 330mm x 120mm
Display	320 x 240 dot single color LCD	800 x 600 multicolor LCD
External Input/Output	Input: > 100KΩ ; Sensitivity 10mm/V ± 5% Output: < 100Ω ; Sensitivity 1V/mV ± 5%	
Communication Interface	Ethernet, RS232, USB	

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# SMART ECG

## Series Electrocardiograph

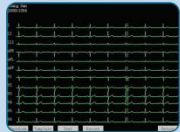


- Compact design and folding handle
- 5.7 inch folding up screen for optimal viewing
- Digital filter avoid baseline drift, AC, EMG interference
- Standby mode for saving energy and extending LCD life
- Single button operation for sampling, analyzing, printing and storage
- Ethernet and RS-232 interface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


## SE-12

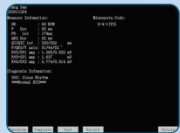


# Twelve Channel ECG




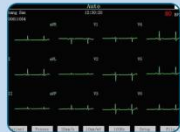
**Preview and print:** We make it possible to preview report for both real-time printing and file storage



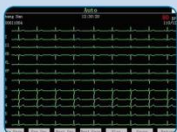


**Useful tools:** Average template waveform together with accurate interpretation appreciated by authority CSE DATABASE (IEC 60601-2-51) which supplies measurement, diagnosis and Minnesota code

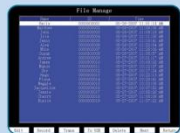





**Waveform process:** Doctor can edit the printing style, printing speed, sensitivity, and used filter to get better waveforms instead of repeat patient examination

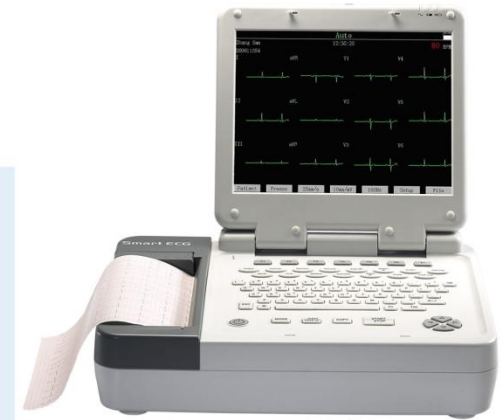


**Replay and record:** Freeze and review waveform backward and forward per second or page then print out to grasp every arrhythmia



**File storage:** Internal storage for up to 200 patient data including waveforms, measurement and diagnosis which could also be enlarged by flash disk or PC hard disk

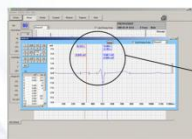




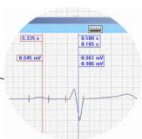
## SE-12 Express

- 12.1 inch high-resolution color folding up touch-screen
- Alphanumeric keyboard
- Internal storage for 200-patient data
- Preview for waveforms and analysis result before printing
- Freeze and replay the waveform to grasp arrhythmia
- Waveforms reviewable, adjustable and recordable to meet different need
- Heart rate variability (HRV) analysis
- Stress test upgradeable (treadmill and bicycle)
- Integrated with trolley and cable bracket

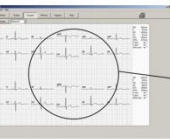
## Smart ECG Viewer



Manual Measurement



Interpretation



Compare Viewing for Different Examination



Stress Test upgradeable



Rue Hateb Ibn Abi Baltâa 4023 Erriadh – Sousse – Tunisie  
 Tel.: (216) 73 30 70 44 - Fax: (216) 73 30 70 45  
 E-mail: contact@kabios-biomedical.com - Web: www.kabios-biomedical.com