

# BS-5510 I-Channel ECG



## >Applications:

With standard LCD screen. Automatic measurement of ECG waveform and fully automatic waveform analysis report output.

## >Features:

1. Automatic measurement of ECG waveform
2. Fully automatic waveform analysis report output
3. Complete digital design, single color LCD display
4. Single Color TFT Display (Resolution: 192 x 64), Thermal Recorder (50mm)
5. Simultaneously 12 leads acquisition, optional selections for rhythm lead
6. Automatic adjustment of baseline, amplification and automatic lead switch
7. Digital wave filter to eliminate baseline drift, AC and EMG interference
8. 150 electrocardiograms record and recall
9. Built-in rechargeable Li-ion battery, support 2 hours uninterrupted operation
10. AC/DC power supply, automatic protection circuit
11. Thermal recorder, Various Printout Format
12. Accurate lead off detection and display
13. Network Capability

## >Technical Specifications:

Index	Parameter	Index	Parameter
Lead	Standard 12 Lead	Rhythm Lead	Standard 12 lead
Input Circuit	Isolated, Protection against pace packing and defibrillation	External Input	10mm/V $\pm$ 5%; single ended $\geq$ 100k $\Omega$
Input Impedance	$\geq$ 10M $\Omega$	Sampling Rate	1kHz, 12 lead
Input Circuit Current	$\leq$ 50nA	Recording Speed	25, 50mm/s
Gain	5, 10, 20mm/mV	CMRR	$\geq$ 90dB
Filter	AC: 50/60Hz—20dB EMG: 35/45Hz—3dB	Frequency Response	0.05-150Hz(-3dB)
Skin Voltage Tolerance	$\pm$ 350mV	A/D Converter	12bit
Recording System	Thermal array printer	Case Memory	150 exams
Calibrating	1mV $\pm$ 2%	Analyze Function	Output analysis
Time Constant	3.2s (0, +20%)	Operation Mode	Auto/Manual
Noise Level	$\leq$ 15uVp-P	ECG Output	1V/mV $\pm$ 5%; single ended $\leq$ 100 $\Omega$
Baseline Control	Automatic position	Safety Level	Class , Type CF
Recording Paper	Roll Paper: 50mm X20m	Display	Wave: 192 $\times$ 64 English Menu Display
Weight	3Kg	Dimension	320mm $\times$ 275mm $\times$ 66mm

## Working condition:

Environment	5~40°C	Relative Humidity	25%~80%
Air Pressure	860hpa~1060hpa	Voltage	AC 110V / 220V
Frequency	50-60Hz		

