12- Channel Electrocardiograph

Technical Specifications

Screen Size:	6 inch	
Input Circuit:	Floating, protection against defibrillator and pacemaker	
Lead:	Standard 12 lead	
Input Impendence:	≥50MΩ	
Input Circuit Current:	≤50nA	
Patient Current Leakage:	<10µA	
Calibration Voltage:	1mV±2%	
Depolarization Voltage:	±500mV	
Sampling Rate:	1.0ms(1000Hz)	
A/D Convertor:	12 bits	
Frequency Response:	0.05Hz~165Hz (-3dB)	
Time Constant:	>3.2s	
Noise Level:	≤15µVp-p	
CMRR:	≥100dB	
Digital Filters:	HUM, EMG, ADS	
Sensitivity:	Auto, 2.5, 5, 10, 20, 40mm/mV (±2%)	
Measurement:	Heart rate, PR Int., Vent. Rate, P/QPS/T Axis	
Patient Data:	Date, time, ID, name, gender, age, height, weight, blood pressure, etc.	
System Data:	Sensitivity, paper speed, filter on/off, hospital name, etc.	
Print-out:	Waveform, waveform + measurement report or waveform + measurement report + analysis report	
Printing System:	High speed, high sensitivity thermal matrix printing system	
Paper Speed:	6.25/12.5/25/50mm/s (±3%)	
Printing Paper	210/216mm roll paper	
Power Supply		
AC:	100V-240V (50/60Hz)	
DC:	19V/3.5A	
Battery:	14.4V/4400mAh, built-in rechargeable lithium batter, over 2 hours working time	
Safety Standard:	IEC, Class I, Type CF	

Size & weight

Carton size: 415 x 195 x 380mm

Net weight: 3.5Kgs Gross weight: 5.5Kgs

Standard configurations

Options

Main unit	Limb electrode	Dust cover
Patient cable	Thermo paper	Rechargeable batte
Chest electrode	Paper roller	Screw driver

PCECG-500 workstation software Aluminum trolley Carry bag



Digital 12-channel Electrocardiograph



Main features

- · Design patent, software patent
- · Application of CSE & AHA database, reliable measurement and analysis results
- 12-lead simultaneous acquisition and display
- . 6° LCD screen with tilted 6° wider angle view to observe 12-lead ECG waveforms
- Protection circuit against defibrillator effect
- · Auto LCD backlight to extend LCD life
- Medical silica gel operation button with ergonomic layout
- Pre-10-second printing to print out any abnormal ECG waveform
- Unique 6CH+P printing mode, convenient for physical examination and copy report on A4 paper size
- 3 kinds of operation mode: AUTO, MAN and ANA
- · 4 kinds of filter: HUM, EMG, Low, pass, and ADS
- Built-in rechargeable lithium battery for at least 2 hours continuous operation
- · 2 types lead mode: Standard and Cabrera
- 1008 ECGs internal memory with SD card
- Communication with PC for ECG data management via RS232 or USB(Option)

Digital 12-channel Electrocardiograph



Ergonomic design

Alphameric keyboard with one touch operation.

The layout of the keyboard is designed according to use frequency. Tilted 6° LCD display to better observe the ECG waveforms.







PC-based data management software







9 export formats

System setting

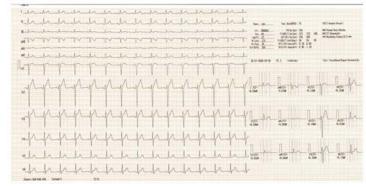
Print preview

Data transmission

Real-time ECG data can be transmitted to PC via ports of USB/ RS232 and wireless module(optional) case. ECG data can be further analysed, shared through internet or printed out with A4 paper.



Multi-Printing mode



6Ch Print-out

6Ch Print-out

6Ch+1 Rhythm Lead Prin

Arrhythmia+R-R+Typicalwaveform+Hist

3Ch+3 Rhythm Lead Print-out