

ECG-1112M

Twelve Channel Electrocardiograph

Technical Specifications

Safety standard:	MDD93/42/EEC, IEC60601-1	Safety level: class I, Type CF
Display:	7 inches 800×480 color LCD (touch screen)	
Input circuit:	Floating, protection against defibrillator and pacemaker detection	
Lead:	12 standard leads	
Input impedance:	≥50MΩ(10Hz)	
Input circuit current:	≤50nA	
Patient current leakage:	≤10μA(a.c.)	
Calibration voltage:	1mV±2%	
Depolarization voltage:	±700mV	
Sampling rate:	1.0ms(1000Hz)	
A/D convertor:	24 bits	
Frequency response:	0.05Hz~165Hz	
Time constant:	≥3.2s	
Noise level:	≤12μVp-p	
CMRR:	≥120dB	
Digital filters:	HUM, EMG, ADS, Lowpass	
Sensitivity:	Auto, 2.5, 5, 10, 20,40 (mm/mV) ±5 %	
Measurement:	HR, PR/QT/QTc Interval, P/QRS/T Axis etc.	
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, waveform + measurement report+analysis report, etc	
Printing system:	High speed, high sensitivity thermal matrix printing system	
Paper speed:	5/6.25/10/12.5/25/50mm/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 battery, over 3 hours working time	

Size & weight

Carton size: 415 x 195 x 380mm

Net weight: 3.5Kgs

Gross weight: 5.5Kgs

Standard configurations

Main unit	Limb electrode	Dust cover	PCECG-500 workstation software	Magnetic card reader
Patient cable	Thermo paper	Lithium battery	Trolley	Bar code scanner
Chest electrode	Paper roller		Carry bag	Laser printer

Options



Comprehensive upgradable ECG with touch screen



ECG-1112M

Digital 12-channel Electrocardiograph



Digital Electrocardiograph

Main features

- Design patent, software copyright patent
- 7" color LCD touch screen
- Up to 10000 ECG files can be stored
- Image-text or list format ECG files, easy for search
- Press "Freeze" key to observe any abnormal ECG waveform carefully
- Built-in Help Function: provide general knowledge on ECG operation
- Pre-10-second and trigger sample function makes it easy to observe abnormal or arrhythmia waveforms
- Cine-loop function: saved ECG waveform can be played back
- Auto-save function: users can choose whether to automatically save the files with the printout or not
- Communicate with PC for ECG data management(option)
- Support magnetic card reader, Bar code scanner, laser printer and USB disk

ECG-1112M

Digital 12-channel Electrocardiograph



● Outstanding Features of ECG-1112M

- Application of CSE & AHA database, reliable measurement and analysis results
- Multiple acquisition modes satisfy various clinical requirements;
- quick acquisition, waveforms get stable within 3s;
- full keyboard, touch-screen operation;
- any lead can be set as rhythm lead;
- 60s or 180s rhythm waveform can be acquisitioned for precise analysis;
- ST segment report and Minnesota code provide abundant reference information for accurate clinical diagnosis;
- Various print types: 12x1, 12x1+P, 6Tx2, 6x2+1rhy, 6x2+1rhy+P, 3x4+3rhy, 3x4+1rhy+P, Template+P;
- Support magnetic card reader, Bar code scanner, laser printer and USB disk.



● User-friendly system interface

Two operating modes of keyboard and touch screen with new software interface make parameter setting, case management and report printing more convenient



● Design patent, software copyright patent

ECG-1112M digital 12 channel electrocardiograph configured with 7" TFT color LCD display, it provides sufficient information on the analysis of arrhythmia and cardiovascular disease, helps to know pathological disorder caused by drugs, electrolyte or unbalance PH value. It is outstanding by modern design, sophisticated software packages, fine workmanship and compact size.



Portable and compact design



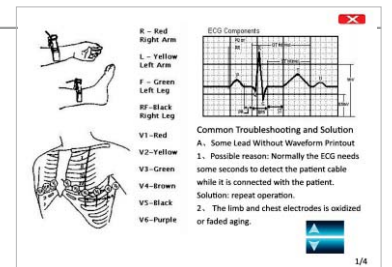
Soft, silicon-gel alphanumeric keyboard



Communication with PC LAN, RS232 module(option)

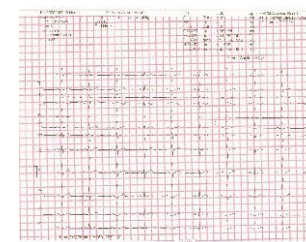
● Built-in Help function

General knowledge on ECG operation and trouble-shooting are built-in the ECG machine. The user just needs to press Help key to read helpful information, 4 pages in total.

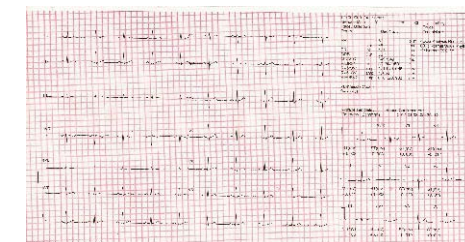


● Various print types

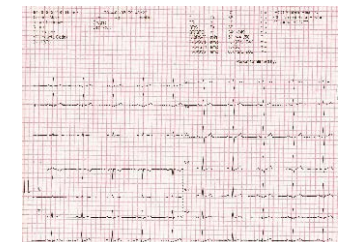
- Eight types under AUTO mode: 12x1, 12x1+P, 6Tx2, 6x2+1rhy, 6x2+1rhy+P, 3x4+3rhy, 3x4+1rhy+P, Template+P
- "...+P" mode: when user choose "...+P" mode, the ECG report will be A4 size and print time will be shorter



12x1+p (A4 Size)



6x2+1rhy



6x2+1rhy+p (A4 Size)

● Communicate with PC for ECG data management (option)

- ECG files can be transferred to PC through Carewell ECG Workstation software PCECG-500A. ECG data can be edited, analyzed, saved or printed out as like.
- Combine optional specialized hospital magnetic card reader or Symbol LS1203 bar code scanner with external optional laser printer to improve work efficiency and save money.



External Peripherals