

Expert of telemedicine



Telemedicine



Remote  
diagnosis



Ambulatory  
diagnosis



# Digital Electrocardiograph

e1200/e1200plus

12 Channel ECG machine



## 12 Channel ECG



e1200plus



e1200



- Design patent, software copyright patent;
- Full keyboard, touch screen operation (1024\*768 resolution);
- Advanced Might-gold algorithm for automatic accurate measurements and interpretation;
- Sampling rate up to 16000Hz, pacemaker detection;
- Supporting 9/12-lead ECG configurable;
- Supporting accurate digital filter to decrease the polarization voltage and other interference;
- Save up to 1000 ECG records internally (expandable with USB flash-disk);
- Advanced ECG analysis: VCG/TVCG/VLP/HRV/Pharmacological Study(optional);
- Support DAT、SCP、PDF、XML、DICOM and worklist, connecting with HIS seamlessly(optional);
- Two Lithium-ion batteries, suitable for different applications (optional);
- Support external USB printer, Keyboard, Mouse, Bar-code scanner etc;
- Data transfer to PC directly by Ethernet, USB or Wi-Fi (optional);
- Data upload automatically through FTP or Might-net ECG management system.

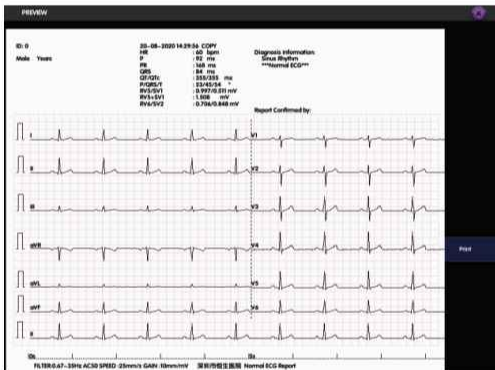
## » Features



Touchscreen



90s replay record



Report preview



VCG(option)

## » Options



Support barcode & QR code



Wi-Fi



Support USB disk for storing, importing and exporting data.



Might-net



# Technical Specifications

## Display

Resolution	1024*768
Type	7 inch TFT screen (e1200); 9.7 inch TFT screen(e1200plus)
Operation	Touchscreen

## Requisition

Leads	9/12leads
Sampling Frequency	16000HZ
A/D Resolution	24bits
HR Range	30~300BPM
Accuracy	1BPM
Time Constant	≥3.2s
Input Circuit Current	≤0.01μA
Input Voltage Range	≤±5mVp-p
Calibration Voltage	1mV±2%
D C Offset Voltage	±600mV
Input Impedance	≥50MΩ (10HZ)
CMRR	≥120dB
Frequency Response	0.01~300Hz +0.4dB -3.0dB
Noise	≤12.5μV(P-P)
AC Filter	50Hz/60Hz/Off
DFT Filter	0.01HZ/0.05HZ/0.32HZ/0.67HZ
EMG Filter/Low-pass	25Hz/35Hz/45Hz/75Hz/100Hz/150Hz/ 270Hz/300Hz
Pacemaker Detection	Amplitude: ±750μV~±700mV; Width: 50us~2.0ms; Sampling Frequency:16000HZ

## Power

AC frequency	50/60Hz
Power supply	AC input with external power adapter 100V-240V
Battery	Rechargeable Lithium-ion battery, 4400mAh
Capacity	More than 3 hours continuous operation or 400 ECGs printing

## Printer

Gain	2.5mm/mV, 5mm/mV, 10mm/mV, 20mm/mV, 10/5mm/mV, AGC±5%
Speed	5 mm/s, 6.25 mm/s, 10 mm/s, 12.5 mm/s, 25mm/s, 50mm/s (±3%)
Recorder	Thermal dot-matrix recorder
Printing Density	8 dots per mm / 200 dots per inch (amplitude axes) 40 dots per mm / 1000 dots per inch (time axes, @ 25 mm/s)
Recorder Paper	Folded thermal paper: 210 mm×140 mm ×20m

## Physical

Dimension	369*260*83mm
Weight	3.9KGS

## Safety

Anti-electric-shock degree	CF type with defibrillation-proof, class I equipment
Defibrillation-proof recovery time	≤5s
Patient Leakage Current	NC: ≤10uA(AC)/ ≤10uA(DC) SFC: ≤50uA(AC)/ ≤50uA(DC)
Patient Auxiliary Current	NC: ≤10uA(AC)/ ≤10uA(DC)

