



Neo ECG

ECGTablet

Technical Specification

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| Main unit | HR range | 30bpm~300bpm |
| | Accuracy | ±1 |
| | Leads | 9,12,15,18 lead synchronous acquisition |
| | A / D conversion | 24 bits |
| | Sampling rate | 32000 samples/Sec |
| | Common mode rejection ratio | ≥140dB (AC filter on) ≥120dB (AC filter off) |
| | Time constant | ≥5s |
| | Frequency response | 0.01HZ ~ 350HZ (+0.4db-3.0db) |
| | Sensitivity | Auto, 2.5mm/mV, 5 mm/mV, 10 mm/mV, 20 mm/mV, 40 mm/mV, less than ±5% error |
| | Filter | AC filter: 50Hz, 60Hz, Off |
| | | EMG filter: 25Hz, 35Hz, 45Hz, Off |
| | | ADS filter: 0.01 Hz, 0.05 Hz, 0.32 Hz, 0.67 Hz |
| | | Low pass filter: 75Hz,100Hz,150Hz,300Hz,Off |
| | Paper speed | 5mm/s, 6.25mm/s, 10mm/s, 12.5mm/s, 25mm/s and 50mm/s, less than ±3% error |
| | Input Impedance | ≥100MΩ (10Hz) |
| | Input Circuit Current | ≤10nA |
| | Calibration voltage | 1mV±2% |
| | Depolarization voltage | ±900mV, ±5% |
| | Noise | ≤12.5μV |
| Amplitude quantisation | 0.95 μV/LSB | |
| Recovery time after defibrillation discharge | <10s | |
| Pacer pulse display | Pacing pulse with amplitude of ±2mV~±700mV, duration of 0.1ms~2.0ms, A-5 rise time of less than 100μs, and frequency of 100/min can be displayed on the ECG recording. | |
| Minimum detectable signal | 20μVp-p | |
| Size & Weight | 10.1" Tablet | Size: 272.6mm(L) * 181.2mm(W) * 25.8mm(H) Net Weight: 1.2Kg |
| | 10.1" Base (Optional) | Size: 274mm(L) * 288mm(W) * 111.2mm(H) Net Weight: 2.5Kg |
| Analysis algorithm | Glasgow | |



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AI-ECG PLATFORM

AI-ECG Platform is an artificial intelligence (AI) electrocardiogram (ECG) assisted analysis and diagnosis system independently developed by Lepu Medical.

* High Accuracy Rate

Test by 1,000,000 independent MIT test data, the average accuracy rate of AI-ECG platform reach 95.2%.

* High Analysis Speed

Take 1s for automatically resting ECG analysis. The time saved can reduce the overall time of clinical ECG analysis.

* Comprehensive Diagnosis

Support 16 types of cardiac classification, 104 types of ECG diagnostic classifications.

Function Features

- * **10.1" high resolution color touch screen, easy to operate.** Portable design, compact in size.
- * Can be powered by an external DC power supply, a built-in rechargeable lithium battery or recorder charging pot.
- * Support synchronous acquisition and display of 9/12/15/18-lead waveform, as well as heart rate detection.
- * Support automatic pacing detection and marking.
- * Support auto, RR analysis, HRV, medicine test, ECG event mode.
- * Provide 4 sampling modes: pre-sampling, real-time sampling, periodic sampling and trigger sampling.
- * Support automatic pacing detection.
- * Input patient information via virtual alphanumeric keyboard and barcode scanning.
- * Freeze the ECG waveform on the screen.
- * Output files in multiple formats, such as Carewell ECG, PDF, BMP, HL7, DICOM, SCP.
- * Store, preview, review, edit, export, upload, print and search patient data.
- * Support wireless transmission of ECG data via WiFi and mobile networks.
- * **Base with build-in thermal printer and support external laser printer.**
- * Export patient data to USB flash disk via USB connector.
- * Support the user login permission control, use password or account & password authentication to use the device.
- * Support online and offline login to the device, and view the historical patient data of the department according to the login account.
- * Support connection with AI-ECG PLATFORM in achieving intelligent diagnosis (Optional).

In-hospital Solution

