Neo ECG S120

ECGTablet

Technical Specification

Main unit	HR range	30bpm~300bpm
	Accuracy	±1
	Leads	9,12 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	7" Tablet	Size: 197mm(L) * 112.4mm(W) * 26.1mm(H) Net Weight: 0.8Kg
Analysis algorithm	Glasgow	

LEPU MEDICAL

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THAI MEDICALS TRADING

Neo ECG S120

ECGTablet

LEPU MEDICAL

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ECGTablet

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 50,000,000 training data and 1,000,000 independent measured 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

* 7” 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.
* Support synchronous acquisition and display of 9/12-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.
* 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.
* Support laser printer via USB port.
* Export patient datato 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 thelogin account.
* Support connection with AI-ECG PLATFORM in achieving intelligent diagnosis (Optional).

In-hospital Solution