ECG Stress Test System ars- EFOR

Our products reflect the approach “to design ECG for PC”.

So, it is possible to implement “improvements in computer technology” very quickly and effectively into “ECG technology”.

Using electrical power from the PC, ECG module does not require any batteries or extra power adapters.

Using a very flexible USB controller and interface and driver for our ECG device, our design team continuously develops new software modules and applications.

The treadmill for our systems is specifically designed and produced by oour company for cardiologic applications. It is also a PC controlled device.

Our objective is continual enhancement and perfection of our products and services. We have ISO13485:2016 certificate for our quality management system and CE certificate for our products.



PC BASED ECG STRESS TEST SYSTEM

Our PC based ECG system can be used as an ECG stress test system, together with our genuine StressWin Pro software and special treadmill TM Pro series. Personal computer, a laser printer and trolley are the other parts of the system. Our software runs under Windows 8, 10 or 11 operating systems. During stress testing, ECG signals can be monitored on the PC monitor screen, recorded on the hard disk, saved as a PDF report and printed..

StressWin Pro software performs signal averaging, ST level measurements; and controls the treadmill’s speed and slope, and shows all this information also on the monitor screen.

The user can set ECG display and print-out parameters using the Setup Menu. These parameters include signal and background colors, lead configurations on the screen and print-out, sampling rate, filter options, etc.

ECG data can be shared on one computer or on a network, under any PACS- DICOM system or using our “ECG Data Management (EDM)” software. Configuring and installing our ECG system, a Holter and an ABPM on the same PC, you can build a “Cardiologic Diagnostic Workstation”.

Technical Specifications

ECG SPECIFICATIONS

Microsoft Windows based genuine stress ECG software: StressWin Pro
PC based use: Windows 10- 11 compatible
12 lead real time ECG monitoring and recording
Bruce, Naughton, Ramp etc, all protocols, almost unlimited protocol editing.
Real time continuous ST level and slope graphs
Real time continuous avaraging and display
Heart rate display
Freezing, reviewing, printing ECG signals on the screen
Event recording and backwards scaning
Manual change of treadmill parameters during test, jumping to the next step
Saving ECG raw data for review, reprint (approx. 10000 patients per 100 GB memory
T-wave alternans
Electrode contact problems display
Screen formats, user selectable: 6x2, 3x4, 12x1, 6x1 and 1 channel
Standard leads: DI, DII, DIII, aVR, aVL, aVF, V1-V6
Sampling rate: max 8000 sps
Frequency response: 0.05 – 300 Hz
Time constant: 3.2 sec
Common mode rejection ratio (CMRR): 120 dB
Sampling sensitivity: 0.4 µV
Resolution: 16 bit
Defibrillator protected patient cable and input circuits
Software controlled digital filters: EMG, baseline correction and line interference filters
Gain control: 5- 10- 20- 40 mm/mV
Recording speed control: 12,5- 25- 50- 100 mm/sn
Remote support via internet

REPORTING

Print-out from a laser printer
ST level, ST slope, heart rate trend graphs
Patient information and doctor's remarks
Event recordings
Blood pressure trend graph
Report summary
Programmable reporting by the user
Averaged and raw data drawing options

TREADMILL

Automatic control by the PC via software
Speed control: 0- 17 km/h (optional 25 km/h)
Slope control: 0- 25%
Walking area: 55x145 cm
Motor power: 2.2 KW- 3 HP
Load capacity: 180 kg (optional 240 kg)
Emergency stop button

ORDERING INFORMATION

Model: Ars- Efor
Brand: Kardinero
Description: ECG Stress Test System with Treadmill

Including:

ECG Module, with 10 lead patient cable, and belt,
Treadmill,
PC with Laser printer,
Trolley.

ADDITIONAL OPTIONS IF REQUESTED

Suntech Tango M2 Automatic Blood Pressure Monitor
Vacuum electrode system
Bicycle Ergometer

* Please ask for your special PC and printer requirements.

Kardinero is an ISO 13485:2016 certified company. Our products have CE certificate according to MDD 93/42/EC by BSI (2797)

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