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 7, 8 and 10 operating systems. During stress testing, ECG signals can be monitored on the PC monitor screen, recorded on the hard disk and printed for reporting.

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, 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 7, 8 or 10 compatible

12 lead real time ECG monitoring and recording

Bruce, Naughton, 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

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 4000 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

700130 ars-EFOR- Pro (FP) ECG Stress Test System with Treadmill

700150 ars-EFOR Plus ECG Stress Test System with Treadmill

700180 TM-PRO 2200 Treadmill

600910 USB ECG Mini Module (ECG module only)

600322 ECG patient cable, clamp type tips

690330 StressWin Pro System Software

900010 Millimetric grid ECG paper, 500 pages pack, A4

600300 USB Patient cable belt, mini

610030 System trolley

700120 ars- Efor Pro 2000 Kit

ADDITIONAL OPTIONS

790120 Suntech Tango M2 Automatic Blood Pressure Monitor

790160 Vacuum electrode system

790180 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)

Rev_20190326