



Analytical Technologies Cardiac Stress Testing with Treadmill



ATL 3120 CSTT

Specification:-

Stress testing system is complete with PC, Software, Tread Mill, Patient acquisition module and necessary cables.

System is based on windows platform with 17" color monitor having minimum resolution of 1280 x 1024, 5000 GB HDD, DVD-RW, Mouse, UPS for analyser.

System acquires and analyze 12 leads and stores the full 12 lead resting / stress ECG

Show a pictogram and indicate which electrode has a bad contact before resting / Stress recording.

Is able to review retrospective average beat and ST values.

Has user settable protocols.

Patient module has USB connectivity.

System provides standard Full interpretation of Supine ECG with reasoning.

Display of real time 12 lead diagnostic quality ECG waveform, average complexes beat of all 12 leads with superimposed comparison along with ST level & slope and ST trend graph.

Automatic detecton, display, storage and review of arrhythmia, heart rate.

Has running trends of ST available on screen during the test process.



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Has ability of comprehensive auto-measurement package including RR intervals, Pwave duration, PQ interval and QRS width.

System has high quality filters for muscle and baseline noise without influence on the ST results.

Has alarm levels for ST, HR and Blood Pressure.

Has keyboard short cuts.

Capability to pause ECG screen view to find a past ECG event without losing track of current real time ECG.

Capability to insert event marks during stress.

Capability to change ST points during stress.

Has manual measurement cursors for P-wave, QRS and T-wave.

Allows to measure width (P, QRS, T-wave) and intervals (PR, QT etc.,)

Has alarm levels for ST, HR and Blood Pressure.

Is able to export QRS intervals from 12 lead Rhythm ECG, Stress / Resting

ECG report in word / RTF format and is able to export raw ECG data.

Printing:

Is able to print strips during stress or after.

Strips to be printed in 3 channels, 2x6 channels, 12 channels.

Print reports is with summary table, event markers and stage information.

Has average beat report with ST measurements.

Has Trend graphs

System provides multiple and customizable printing formats as per users choice on A4 size normal plain printing paper.

Heavy duty treadmill - imported. Noise free with speed ranging from 0.8 to 19 kph and have an elevation range of 0 to 25%.

Treadmill provides smooth and safe operation.

Has automatic belt alignment.

Treadmill has 175 kgs weight capacity with all metal chassis.



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Has emergency stop button.

Other Technical specs:

ECG sampling rate: 1000 Hz

ECG input voltage: 16mm Vpp

Noise voltage: 20uV

10 lead patient cable

Treadmill interface

Signal frequency range: 0.05Hz to 250 Hz.

Windows operating system.

PC Pentium latest workstation.



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