

# ECG-1212ST stress MACHINE



- ◆ Automated baseline correction for stable ECG Trace.
- ◆ 3/6/12 leads real-time waveforms and ST segment/trend graphs display.
- ◆ ST average complexes analysis, and full disclosure waveform analysis.
- ◆ Standard arrhythmia detection.
- ◆ Customize exercise Protocol.
- ◆ Control treadmill, bicycle and exercise blood pressure devices.
- ◆ Pre-configured set of report formats.
- ◆ Stores all data on the hard disk, allowing access to the original test data for view and printing.
- ◆ Access patient data and information from unlimited database.

Stress ECG-1212ST includes data sampling modules and stress test software which could be installed on desktop or laptop.

We provide two solutions for data communication: USB and wireless connections to meet different requirements in hospitals, physician offices and laboratories.

## Technical Specification

Dimensions	148mm (L) × 100 mm (W) × 40mm (H) (ECG sampling box) 97mm (L) × 58 mm (W) × 28mm (H) (STRESS ECG isolation box)
Weight	About 210g (ECG sampling box) About 100g (STRESS ECG isolation box)
Connection with PC	USB port
Power supply	DC 5V (ECG sampling box/STRESS ECG isolation box power supply)
Input circuit	Floating input circuit, protection from defibrillation and pace maker
Lead	Standard 12 leads
Acquisition Mode	12 leads simultaneously
Sampling rate	1000Hz
A/D resolution	12 bits
Input voltage range	± 5mVpp
Time constant	> 3.2s
Frequency response	0.05Hz – 150Hz
Calibration voltage	1mV ± 3%
Recording speed	5, 10, 12.5, 25, 50(mm/s)
Sensitivity	2.5, 5, 10, 20 (mm/mV)
Input impedance	> 50MΩ (10Hz)
Input Circuit Current	< 50nA
Noise level	<15 μ Vp-p
Patient leakage current	< 10 μ A (220V–240V)
Patient auxiliary current	<0.1 μ A (DC)
Filters	EMG filter: 25Hz/35Hz/45Hz/off Baseline forward and backward filter (patent pending); strong/weak/off Lowpass filter: 150Hz/100Hz/75Hz AC filter: 50Hz/60Hz/off
CMRR	> 110dB
Primary display parameters	3/6/12 channel waveforms Stress protocol, phase/ stage name Workload, maximal/minimal ST amplitude and PVC/min ST trend, representative beat and pretest representative beat BP and treadmill speed/grade or bicycle power/rpm
Printing reports	Stage reports : Medians, ECG Strips Trend Reports : STJ level, ST level, ST/HR, ST Slope ST level analysis reports : Summary report, Max ST level ascend, Max ST level descend, ST level range

