



Cardiac Stress Test System
with 12 Leads

- PC based cardiac workstation combines Resting and Exercise ECG
- Compact, light weight with quiet operation and safe start
- Requires minimal maintenance
- In-bulit voltage protection

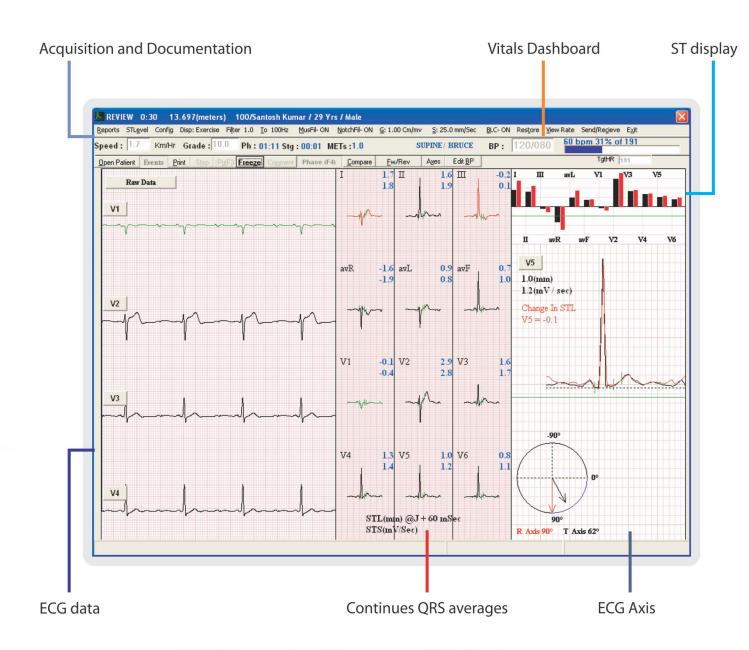
- Equipped with high torque motor and digitally controlled drive system
- Audio-visual alarms in case of malfunction of treadmill
- Offers frequency response from 0.05 Hz to 100 Hz
- Smooth noise free elevation
- Accurate computation of ST levels, assuring excellent correlation with angiography
- Clean ECG without muscle tremor noise
- Emergency stop with alarm





## **Cardiac Stress Test System**

- Enlarged median can be selected manually, online linked median printing
- Simultaneous acquisition and display of 12-lead Raw ECG
- Standard and user programmable treadmill protocols
- Maximum ST level depression or elevation lead display
- Risk predicting Duke treadmill score
- Full disclosure data enables review and re analysis of every beat
- Detection of leads off and arrhythmias
- User configured multiple display and report format
- System generated auto report



## Vega 201 - Technical Specifications

ECG		Printing	
Acquisition	Simultaneous 12 leads, 14 bits	Printer	Laser or DeskJet
Sampling Rate	2700 samples/sec	Paper Size	A4 size
Input Impedance	> 100M ohms	Connectivity	
Time Constant	3.2 Sec	Export/ communication	TCP/IP; DICOM, PDF
CMRR	> 100dB	protocol/ format	, ,
Patient Leakage	$< 10 \mu A$	Network Interface	File storage, Distribution and E-mail
Frequency Response	0.05 Hz to 100 Hz	Treadmill	3.,
Digital Filters	50Hz, muscle tremor 20, 35 or none	Speed	0.1 to 9.3 mph
Base line Correction	DSP technique to remove ECG wandering	Elevation	0 to 22 %
Sweep Speed	5, 12.5, 25, 50 & 100mm/sec	Belt drive motor power	3HP
Sensitivity	0.25, 0.5, 1.0, 2.0 & 4.0 cm/mV	Conveyer Belt	Anti skid
<b>ECG Computations</b>		Safety	Optical isolation, Emergency stop
Calculated Parameters	ST-Level, ST-Slope, HR, METS, Axis etc.	Communication	RS 232
Fiducial Points	Auto / Manual	User capacity	250 Kg
Enlarged median lead	Configurable		
Median update Interval	10 seconds	Walking area	1,321 x 508 mm
HR Computation	6 beats, updated every second	Dimension	1900 x 710 x 1200 mm (L x W x H)
Protocol		Weight	120Kg
Standard	Bruce, Modified Bruce, Balke, Ellested,	Automatic NIBP (op	Brilliant Blood Pressure Solutions
	Naughton	Technique	Auscultatory with linear defl ation
Custom	Unlimited customized protocols can be created	Accuracy	Designed to meet ANSI/AAMI SP10-2002.
Display		Protection	Independent safety circuitry monitors cuf
Display Resolution	1024 x 768 pixels		pressure, measurement time as well as the operation of the main microprocessor.
ECG Display format	4 leads+medians+enlarge median, 6X2	Measurement Range	Adult Systolic 50-250 mmHg,
	leads + medians, 12 leads + medians + Enlarge median, 3X4+R lead,	in out of the first terms of the	Adult Diastolic 20-150 mmHg
	Static linked medians+R, 12leads	Pulse Rate	40 to 200 BPM
	(3.2/10sec.)	Inputs/Outputs	Bi-directional RS232, microphone
Data display	HR, Target HR, BP, Stage Time, Test Time,		ts 200 to 240 VAC, 50Hz & single phase, 10
	Speed, Grade, METS, Protocol Name, Protocol Stage, STL, STS & Patient Information etc.	Powerrequirement	Amperes
Full Disclosure	Beat-to-beat ECG record	Operating conditio	ns
Event Marker	Yes	Operating Temperature	10°C to 50°C
Reports		Storage Temperature	0°C to 40°C
Online	12L+Medians; Linked Medians; 3X4+R; 12	Relative Humidity	15 to 90% non condensing
	Linked Medians + Enlarge Median; Summary	Cart dimension	1070(H) x 780(W) x 435(D) mm
Auto report	Online Reports; 6L Frontal; 6L Precordial; 12L Rhythm; Average; 12L+ Comparison; Trends;	Minimum Compute	
		configuration	32bit, Processor: Core2Duo or higher, RAM
Offline	ST Tables; Comparison		2GB or higher, 40 GB harddisk or higher
Offline	All of the above; Linked Medians Summary; Total Disclosure		CD/DVD Optical Drive, Screen Resolution 1024x768 or higher
	eadmill, Acquisition Box, Patient Cable, A4 size pape		ser Manual, Software CD, Trolley, Voltage Stabilize
<b>Options</b> A	utomatic NIBP module, PC Workstation, Printer, UPS	for PC_DICOM output	

**Remote Service Program**Online technical support is available from RMS Head office. Customer has to provide internet connection.

Since R&D is a continuous process, to make changes in product features, specifications, aesthetics and/or to discontinue the same at any time without notice or obligation





