Vega 301
STRESS TEST SYSTEM



ECG Acquisition & Transmission Unit

- Compact, light weight and user friendly acquisition unit.
- Bluetooth enabled wireless ECG transmission.
- Eliminates noise and gives distortion free ECG.
- User programmable treadmill protocols.
- In-built rechargeable battery.
- Battery status indicators.
- USB compatibility with computer system.



E-mail Compact Disc PDF Network Storage

Treadmill

- Provides smooth power & accuracy even at slow speeds and for patient up to 250 Kg.
- Equip with digitally controlled Drive system that delivers great performance, improved accuracy and increased reliability.
- Deliver high torque for even at lower speeds which ensure no lag when foot strikes the belt.
- Requires minimal maintenance & experience less downtime.

CE

VEGA 301 - Technical Specificataions

ACQUISITION, TRANSMISSION & PROCESSING

Acquisition	Simultaneous 12 leads, 14 bits
Data transmission band	24 - 2.48 GHz
Sampling Rate	300/sec/channel
Input Impedance	> 100M ohms
Time Constant	3.2 Sec
CMRR	> 100dB
Patient Leakage	< 10μA
Frequency Response	0.05 Hz to 100 Hz
Digital Filters	50Hz, muscle tremor 20, 35 or none
Base line Correction	DSP technique to remove ECG wandering
Calculated Parameters	ST-Level, ST-Slope, HR, METS, Axis etc.
Fiducial Points	Auto / Manual
Enlarged median lead	Configurable
Median update Interval	10 seconds
HR Computation	6 beats, updated every second
Protocols	Bruce, Modified Bruce, Balke, Ellested, Naughton & customised protocols can be created

DISPLAY

Display Resolution	1024 x 768 pixels
ECG Display format	4 leads+linked median, 12 leads + medians + Enlarge median, 12leads+medians, 3X4+R lead, Static linked medians+R, 12 Dynamic linked medians
Data display	HR, Target HR, BP, Stage Time, Test Time, Speed, Grade, METS, Protocol Name, Protocol Stage, STL, STS, Lead disconnected information, & Patient Info. etc.
Full Disclosure	Beat-to-beat ECG record
Trend graph	HR, STL, STS, BP, RPP, Ectopics, R variation, J amplitude, workload & Running distance.

PRINTING

Printer	Laser or DeskJet
Paper Size	A4 size
Print option	Automatic Stage, Online & Offline printing
Sweep Speed	5, 12.5, 25, 50 & 100mm / sec
Sensitivity	0.25, 0.5, 1.0, 2.0 & 4.0 cm /mV

CONNECTIVITY

Export format	PDF
Network Interface	For file storage, Distribution & E-mail

ECG ACQUISITION & TRANSMISSION DEVICE

Dimension	2.8 x 6.7 x 12.3 cm
Weight	160 gms
Power source	Li-Ion battery 3.7V, 700mAH
Battery backup	10 hrs
Battery charging time	4hrs
Battery charger	Input: 220V ±10%, 50Hz, Output: 6V

TREADMILL

Speed	0.1 to 9.3 mph (upto 15 mph optional)
Elevation	0 to 22 %
Belt drive motor power	3HP
Conveyer Belt	Anti skid
Safety	Optical isolation, Emergency stop
Communication	RS 232
User weight capacity	250 Kg
Walking area	1,321 x 508 mm
Dimension	1900 x 710 x 1200 mm (L x W x H)
Weight	120Kg

POWER REQUIREMENTS	200 to 240 VAC, 50Hz & single phase, 10Amperes
CART DIMENSION	1060(H) x 815(W) x 460(D) mm
ACCESSORIES	Patient cable, Electrodes, A4 size paper, Operation manual, Software CD.
MINIMUM COMPUTER CONFIGURATION	Operating System: Windows XP and Windows 7, Processor: P4 or Higher, Ports: USB & Serial, Memory: 1GB or Higher Monitor: 17", HDD: 40 GB (min), I/O: CD-RW, Peripherals: Keyboard, Mouse & Printer.

STANDARD KIT Treadmill, Wireless Acquisition unit, Patient Cable, Paper Ream, Disposable Electrodes, User Manual, Cardiac StressTest Software CD, Trolley, Voltage Stabilizer

OPTIONAL PC, Printer, UPS for PC.

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, features & specifications are subject to change without notice.

Recorders & Medicare Systems (P) Ltd.

H.O. & Works: 196, Industrial Area, Phase 1, Panchkula-134113 (Haryana), INDIA.
Ph.: +91-172-2564196, 2565196, Fax: +91-172-2566196
website: www.rmsindia.com, e-mail: helpdesk@rmsindia.com
Regd. Office: 181/5, Industrial Area, Phase 1, Chandigarh-160002, INDIA.

Certifications: ISO 9001:2008, EN ISO 13485:2003, CE

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