



Vesta 301i
ELECTROCARDIOGRAPH



Three Channel ECG Recorder with color display

Value for Money

Most economical high performance electrocardiograph

Easy to use

One touch operation for acquisition, analysis and printing that minimizes training needs

Reliability

Suitable for high volume hospital use

Connectivity

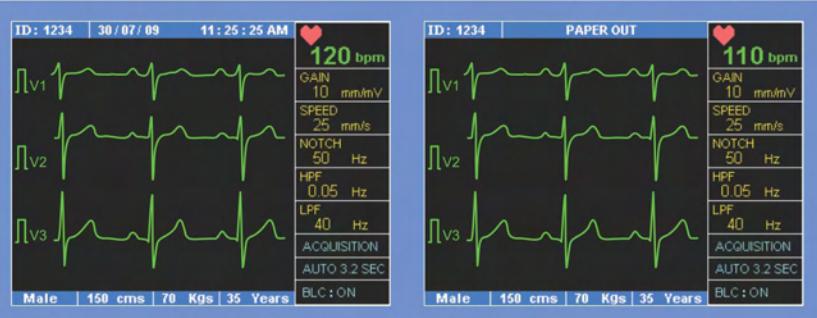
Capable of communicating with PC for further viewing and management of ECG data



Features

- Simultaneous acquisition of all 12 leads
- Printing options i.e: Rhythm lead, medians, enlarge median, Graphical Axis, Measurements and Interpretation
- Digital filters to eliminate baseline drift, AC and EMG interference
- Color graphical TFT display for onscreen preview of ECG waveform
- Alphanumeric keypad to enter Patient and Clinic Information
- Isolation protection against Defibrillation
- On screen real-time clock with date
- Internal ECG data Storage of upto 50 patients
- Comes with dual power supply – mains and rechargeable internal battery

Display



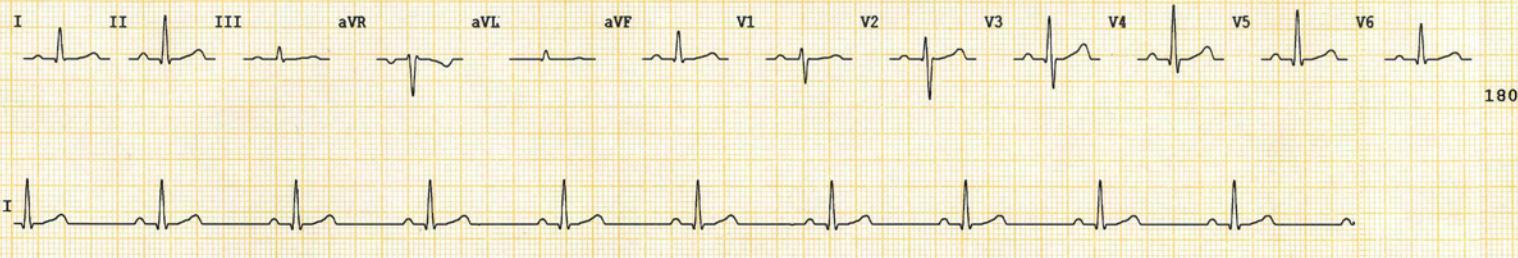
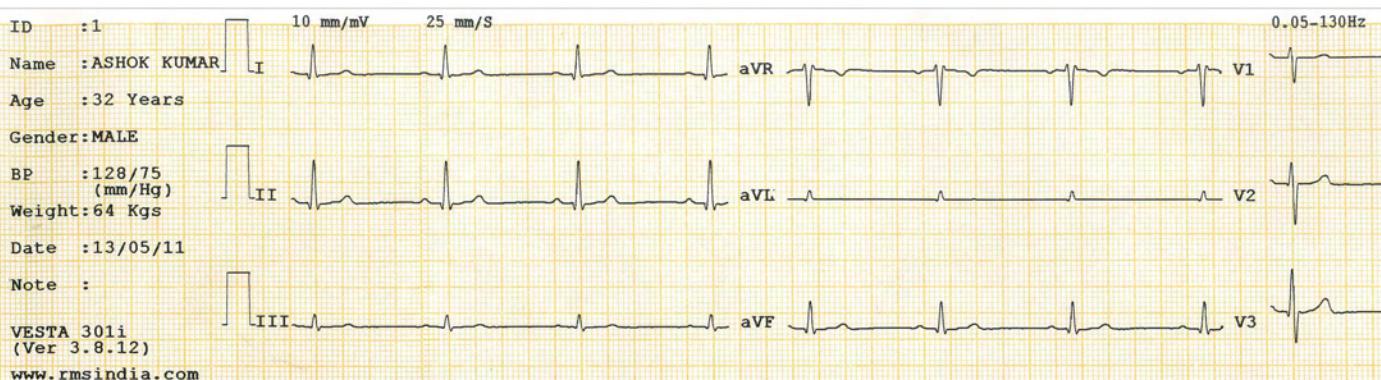
Heart Rate

Continuous display of patient Heart Rate

Paper out indication

Message displayed in case of lack of paper

RMS TESTING LAB
CHANDIGARH





PC Interface (optional)

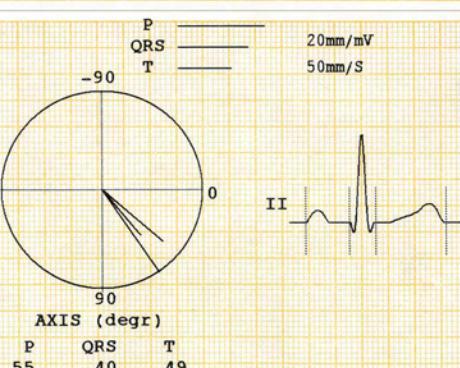
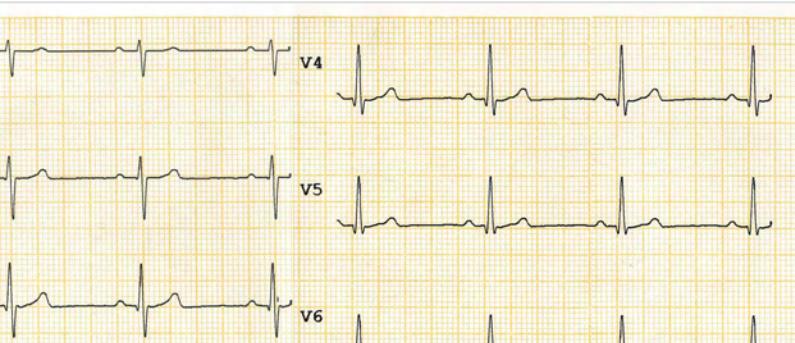
Vesta 301i comes with optional PC-Based resting ECG software.

USB Storage (optional)



Battery status Indicators

LED Indicators of Low and Full Battery, Charging and AC / DC operation



Parameters
20mm/mV
50mm/S

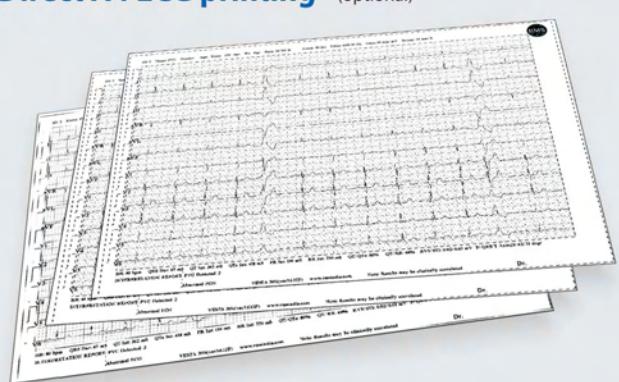
HR : 60 BPM
QRS DUR : 95 mS
QT INT : 360 mS
QTc INT : 360 mS
PR INT : 162 mS
RR INT : 1000 mS
QT/QTc : 100 %
QT/RR : 36 %
RV5/SV1 : 0.95/0.47 mV

Adult Interpretation Report:

Sinus Rhythm

Normal ECG

(Physician Comments)



* Feature available with selective HP Printers only

Note: Results may be clinically correlated

Vesta 301i - Technical Specifications

ECG

A/D Resolution	12 Bit
Lead selection	Standard 12 leads
Filters	Low pass filter: 20, 35, 100, 150 Hz High pass filter: 0.05, 0.10, 0.20 and 0.50 Hz Notch filter 50/60 Hz
Acquisition	Auto / Manual
Memory	50 Patients
Input impedance	>100 M ohm
Frequency Response	0.05-150 Hz
CMRR	100 dB
Time Constant	3.2 sec
Sensitivity	2.5mm/mV, 5 mm/mV, 10mm/mV, 20mm/mV
Leakage Current	<10 micro Ampere

Display

Display Format	Three Channel
Graphics Display	320 x 240 pixels TFT screen (color)
Display Size	3.5"

Recording & Printing

Recorder	Thermal Printer
Paper Speed	12.5mm/sec., 25mm/sec., 50mm/sec
Recording paper	Thermo sensitive 80mm (Rolled)
Printing Labels	Patient Information Template, Leads, Calibration, Print Speed, Filter, Sensitivity
Print-out Format	A) Auto mode - 3, 3+R with medians, 3+R with medians + Axis + measurements and interpretation B) Manual mode - 3 channel three different lead selected from Keypad

Power Supply

Line Power supply	~ 220 - 240V, 50Hz ± 10%
Power Supply Operation	AC/DC with on / Off line Battery charging
Battery	== 11.1V / 2600 mAh, Li-ion rechargeable
Charging Time	3 Hours

Mechanical

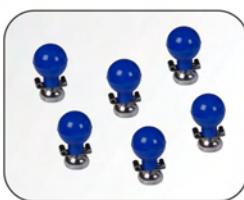
Dimensions (mm)	288 mm x 238 mm x 85 mm
Weight	1.8 Kg approx.

General

Type of Protection	Class II A
Degree of Protection	Type BF
Communication Interface	USB

Hardware & Accessories

Component	Quantity
ECG Patient Cable	01
Adaptor 19V, 3A, AC-DC	01
Power Cord	01
Fuse T 1.5 A	01
Bulb Electrode	06
Limb Electrode	04
Conducting Tube Jelly	01
Thermal Printer Roll	01
User Manual	01
Earthing Wire (optional)	01



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

Certified ISO 9001:2015, EN ISO 13485:2016 company



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, T: 1800-1200-767
www.rmsindia.com, sales@rmsindia.com
Regd. Office: 181/5, Industrial Area, Phase 1, Chandigarh-160002, INDIA