Vesta 301i
ELECTROCARDIOGRAPH



Three Channel ECG
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

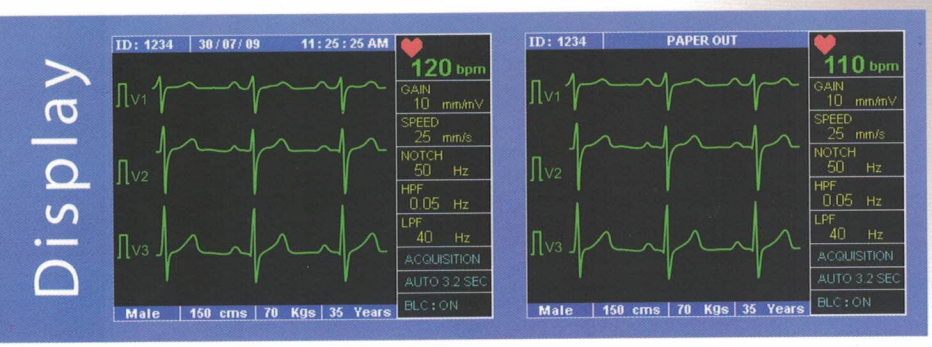
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Features

- 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 upto 50 patients
- Mains and battery operated

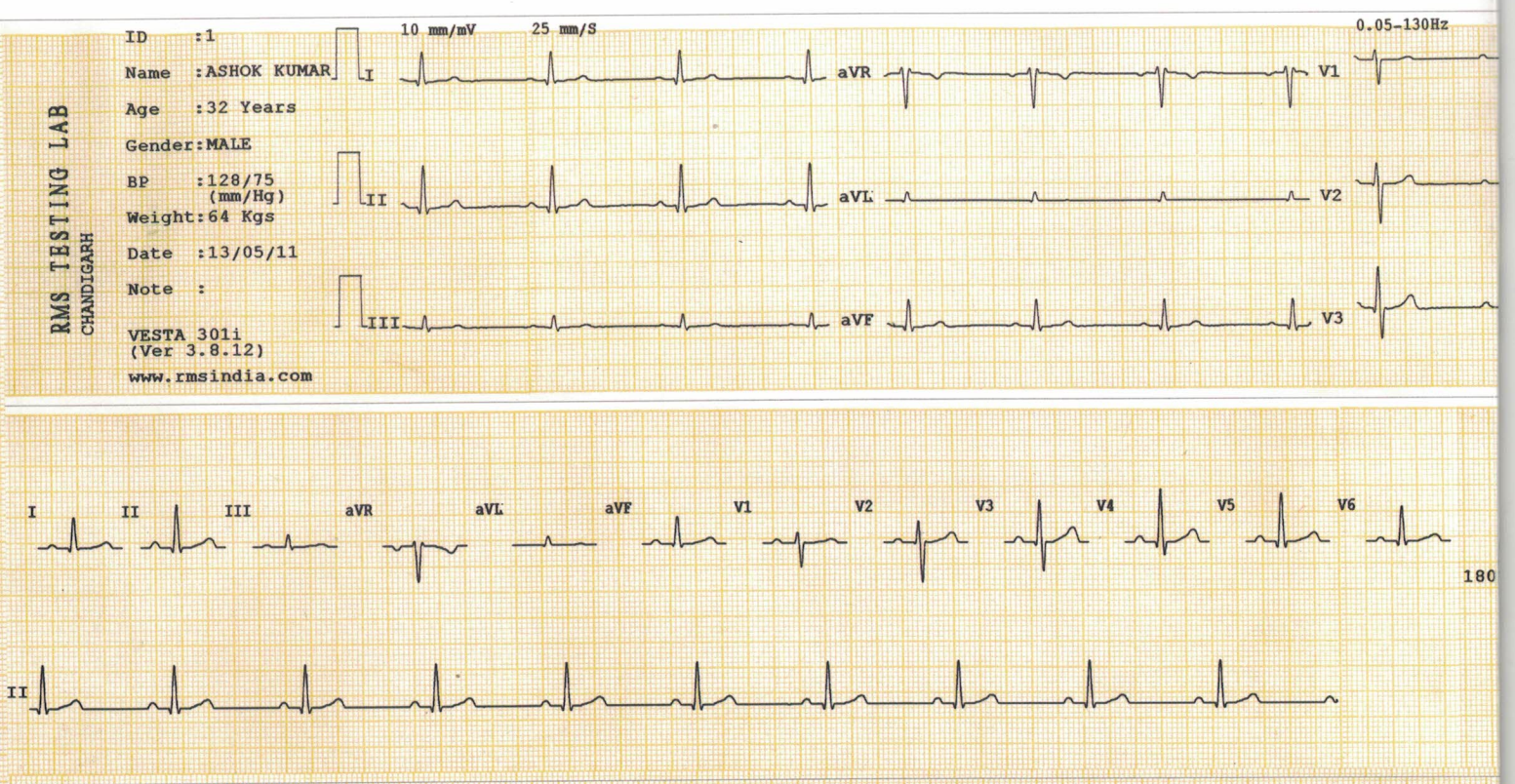


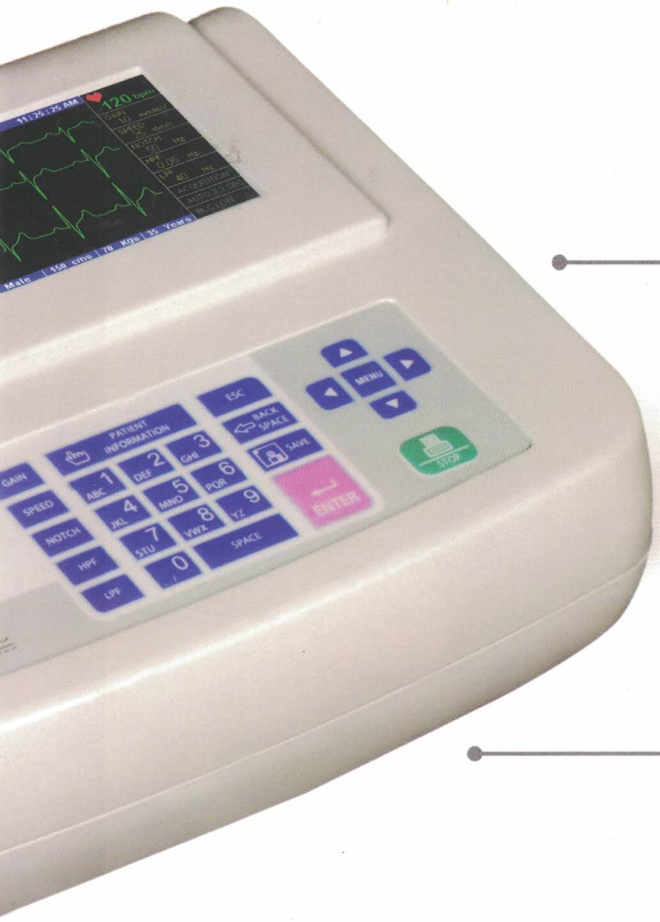
Display



Heart Rate
Continuous display of patient Heart Rate

Paper out indication
Message displayed in case lack of paper







Auto-run CD

JPEG report

PC Interface (optional)

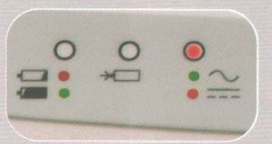
Vesta 301i comes with optional PC-Based resting ECG software.

USB Storage (optional)



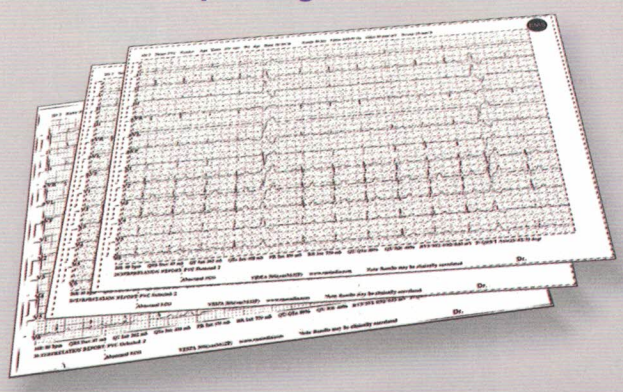
Battery status Indicators

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

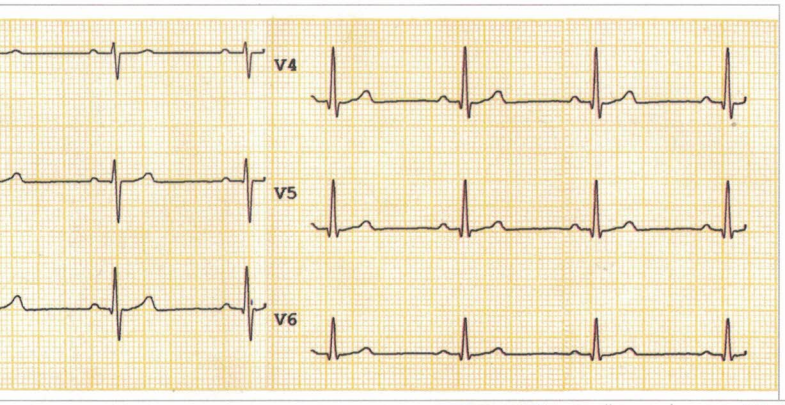


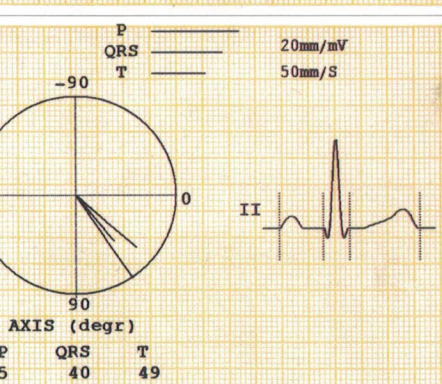


Direct A4 ECG printing* (optional)



* Feature available with selective hp printers only





Parameters

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)

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	2.5, 5, 10, 20 mm/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	12.5, 25, 50 mm/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

Physical

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

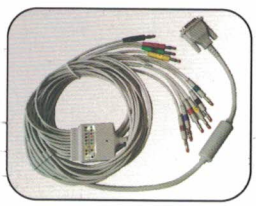
General

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

CE

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