



## 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**

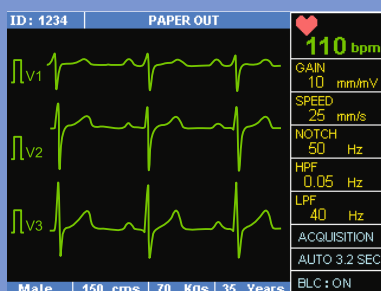
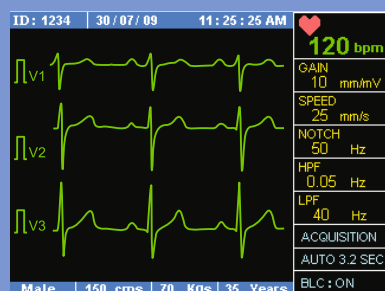
Capable of communicating with PC for further viewing and management of ECG data

# 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

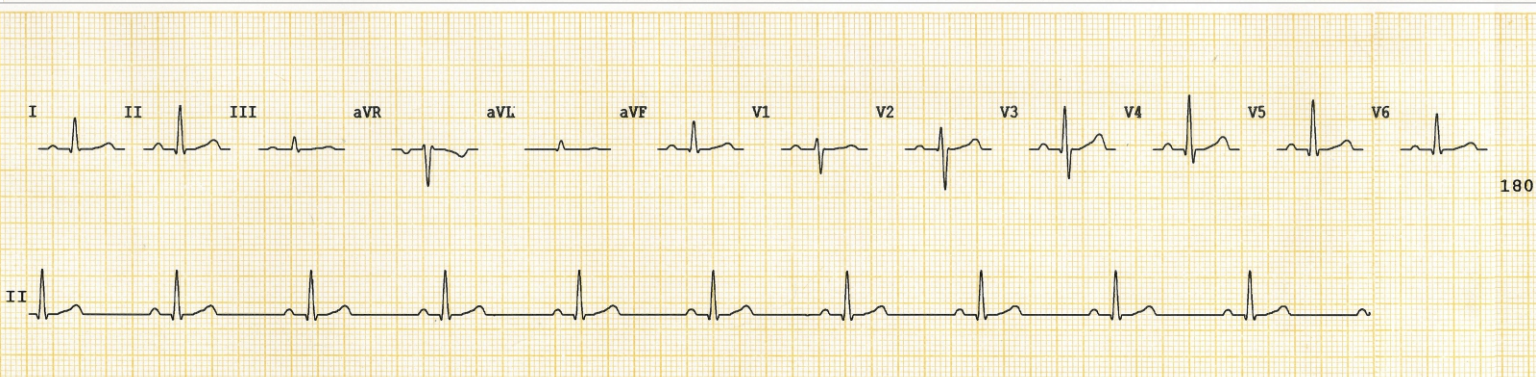
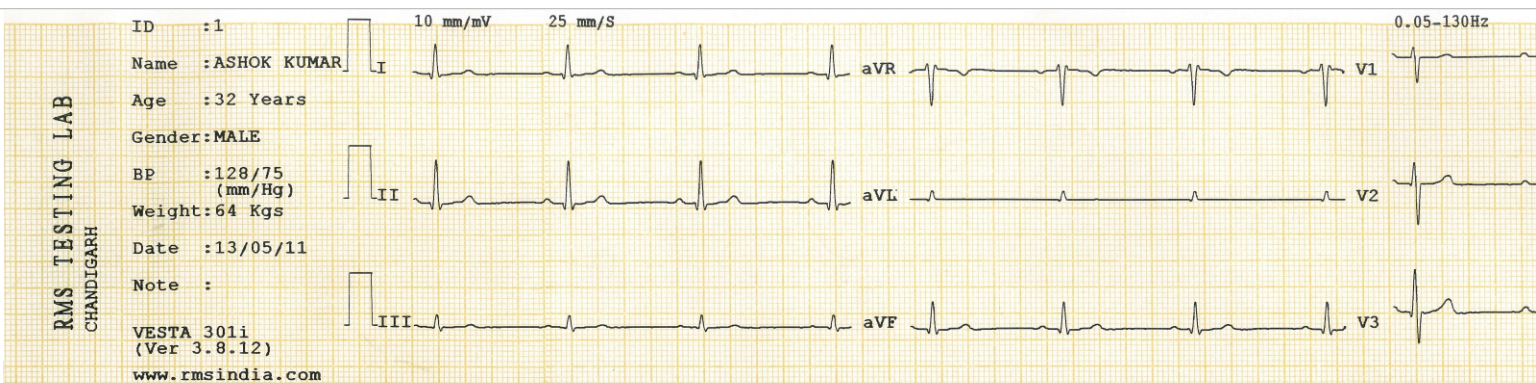


## Heart Rate

Continuous display of patient Heart Rate

## Paper out indication

Message displayed in case of lack of paper







Auto-run CD



JPEG report



### PC Interface (optional)

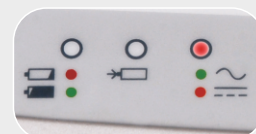
Vesta 301i comes with optional PC-Based resting ECG software.

### USB Storage (optional)

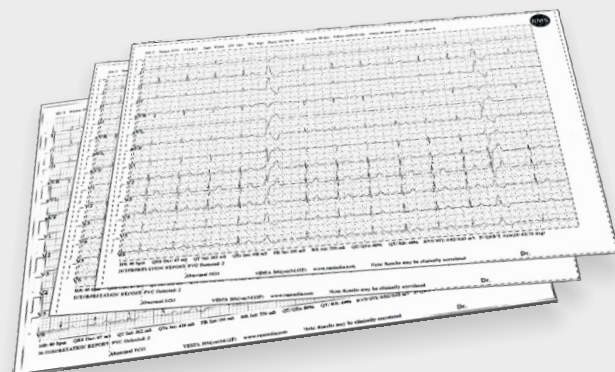


### Battery status Indicators

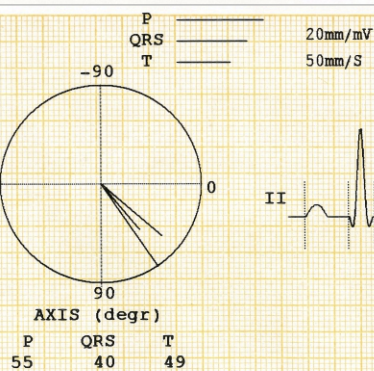
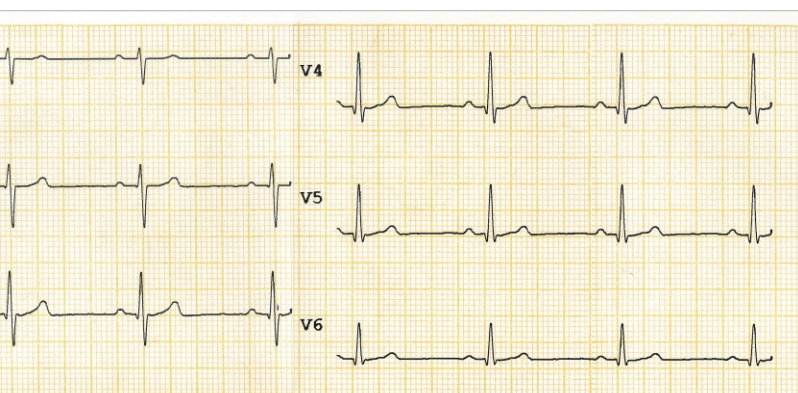
LED Indicators of Low and Full Battery, Charging and AC / DC operation



### 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	2.5mm/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 $\pm$ 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

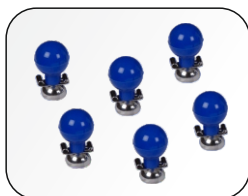
Dimensions (mm)	288 mm x 238 mm x 85 mm
Weight	1.8 Kg approx.

## 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

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