



3 CHANNEL ECG

RESTING ECG SYSTEM WITH COLOR DISPLAY

- **Value for Money-**

Most economical high performance electrocardiograph.

- **Easy to use-**

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

- **Reliability-**

Suitable for high volume hospital use.

- **Connectivity**

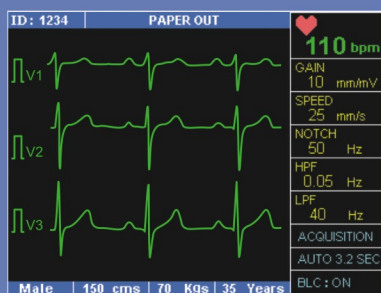
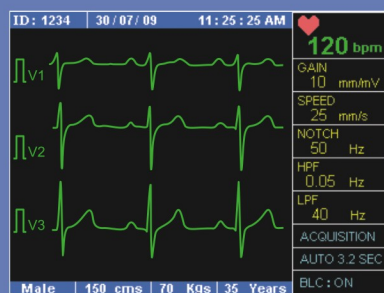
Capable of communicating with PC for further viewing and management of ECG data.

Features

- Simultaneous acquisition of all 12 leads
- High Resolution Graphic TFT (Color) display for onscreen preview of ECG waveform
- Full alphanumeric keypad to enter patient and clinic information
- Digital filters to eliminate baseline drift, AC & EMG interference
- Isolation protection against defibrillation
- Real-time clock for date and time indication
- Paper-out Indication
- Printing options i.e: Rhythm lead, medians, enlarge median, Graphical Axis, Measurements & Interpretation
- Internal ECG data Storage of upto 50 patients
- Unlimited data storage through USB memory stick (optional)
- Offline ECG data transfer to PC (optional)
- Direct A4 ECG printing (optional)



Display

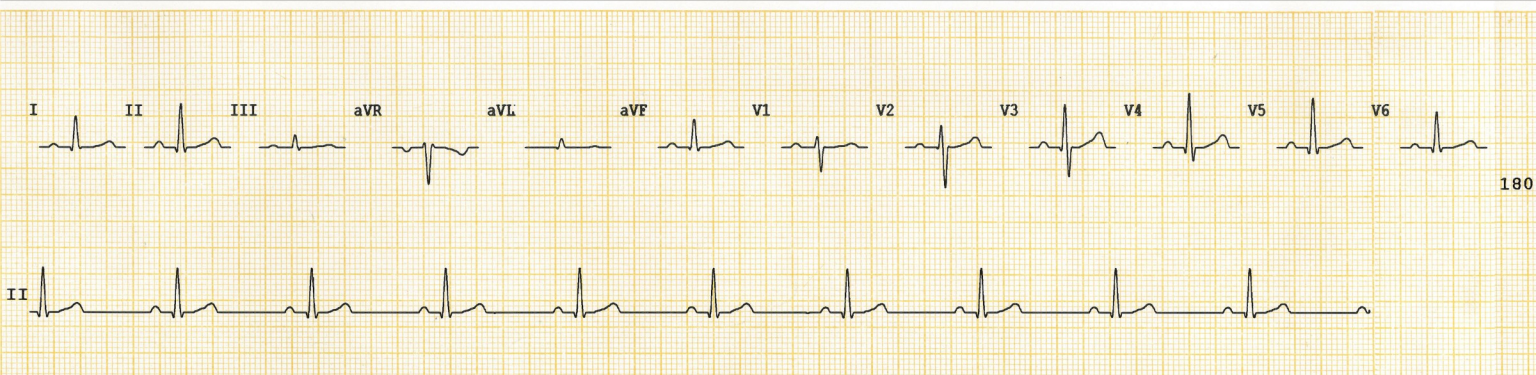
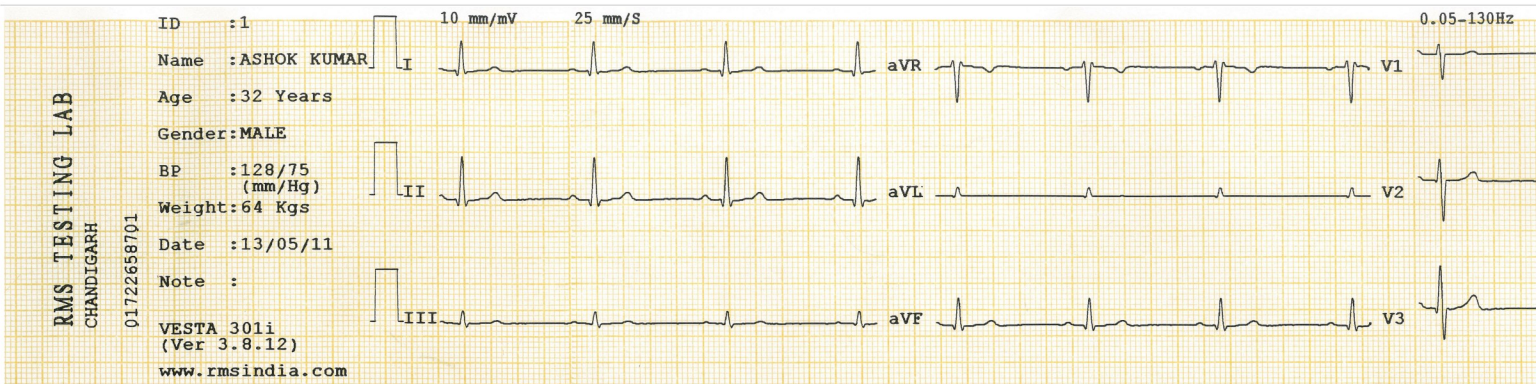


Heart Rate-

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)

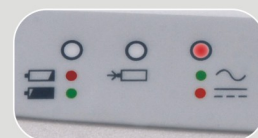
The RMS Vesta 301i comes with optional PC-Based resting ECG software.

USB Storage (optional)

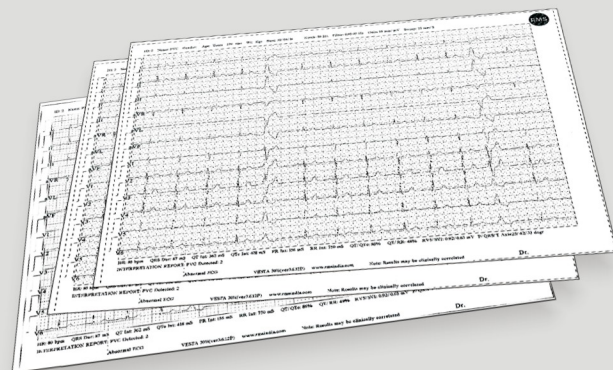


Battery status Indicators-

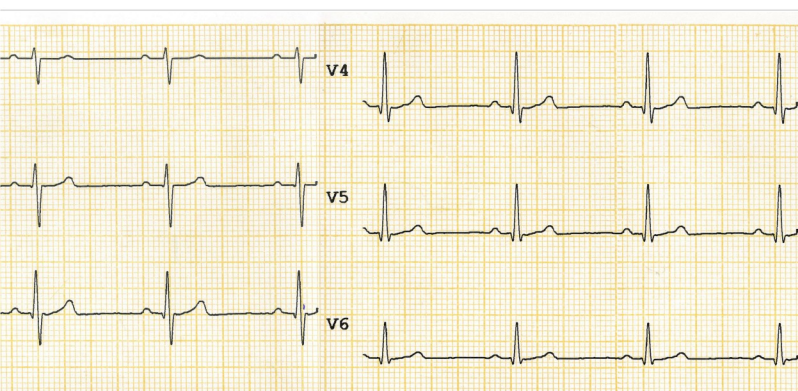
LED Indicators of Low & Full Batt., Charging & AC / DC operation



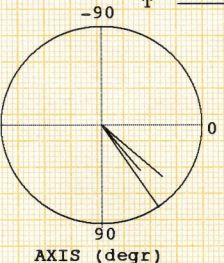
*Direct A4 ECG printing (optional)



* Feature available with selective HP Printers only



P ——— 20mm/mV
QRS ———
T ——— 50mm/s



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)

Dr. NITIN CHAVAN

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: 20,35,40,130 Hz. High pass filter: 0.05, 0.10, 0.50 & 1.0 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	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 & 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	$\approx$ 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

SAFETY & REGULATORY

Standards

EN ISO 14971:2000 + A1:2003, EN ISO 13485:2003, EN 980:2003, EN 60601-1:1990/A1:1993, EN 60601-1-2:2001, EN 60601-2-25:1995, EN 60601-2-51:2003

Directives

MDD - 93/42/EEC
EMC - 89/336/EEC

Hardware & Accessories

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

