Vesta 12EC



12 Channel Resting ECG System

- High resolution 8 inch color TFT with touch screen
- Suitable for clinics, hospitals and out door camps
- On screen display of 12 channel ECG with interpretation
- Compact, light weight and portable with carry handle
- Lead-off and printer paper out indication
- LED indicators for charging and AC/DC operation
- In-built thermal printer with auto and manual mode
- Digital filters to eliminate baseline drift, AC and EMG interface
- Isolation protection against defibrillation
- Soft touch alphanumeric and on screen virtual pop-up keyboard for data input

Vesta 12EC - Technical Specification

ECG

A/D Resolution	24 bit
Lead selection	Standard 12 leads
Notch filter	50/60 Hz
Noise level	≤12 µVp-p
Acquisition	Auto / Manual
Memory	1000 Patients
Input impedance	≥ 50 M Ohm (10Hz)
Frequency Response	0.05 to 150 Hz
CMRR	> 60 dB, > 100 dB
Time Constant	≥ 3.2 sec
Sensitivity	2.5, 5, 10, 20, 40 mm/mV
Measurement	HR, P-R interval, P Duration, QRS Duration, T Duration, Q-T interval, Q-Tc, P Axis, QRS Axis, T Axis, R(V5) amplitude, S(V1) amplitude, R(V5)+S(V1) amplitude

Display

Display Format	Twelve Channel
Graphics Display	800 x 600 pixels TFT touch screen (color)
Display Size	8 inch
On screen display	3/6/12 lead ECG, HR value, print mode, sensitivity, paper speed, filter, time, battery indication, background grid lines, measure data and interpretation

Recording and Printing

Recorder	Thermal Printer
Paper Speed	25, 50 mm/sec (Auto / Rhythm) 5, 6.25, 10, 12.5, 25 and 50 mm/sec (Manual)
Recording paper	Thermo sensitive 210 mm × 20 m (Rolled)
Printing Labels	Patient Information Template, Leads, Calibration, Print Speed, Filter, Sensitivity
Print-out Format	Auto and Manual mode

Power Supply

Line Power supply	AC 110 - 240V, 50Hz
Power Supply Operation	AC/DC with On / Off line Battery charging
Battery	14.8 V / 3700 mAh, Li-ion rechargeable
Battery backup	10 hrs standby time, 3 hrs continuous print, 300 ECG wave form recording
Input Power	≤ 150 VA

General

Data input	Touch screen and function buttons
Communication Interface	USB
Type of Protection	Class I
Degree of Protection	Type CF

Physical

Dimensions	340 x 320 x 85 mm
Weight	3.2 Kg

Environmental Conditions

Operation

Temperature	5°C to 40°C
Humidity	≤ 80% non condensing
Atmospheric pressure	700 to 1060 hPa

Storage

Temperature	1°C to 50°C
Humidity	≤ 93% non condensing
Atmospheric pressure	500 to 1060 hPa



Patient Cable



Clip Electrode



Bulb Electrode

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

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