



Leading Through
Innovation

Vesta 121i

PC Based Electrocardiograph

FEATURES:

- Auto Interpretation (Optional).
- Easy connectivity with Laptop or Desktop PC.
- Simultaneous acquisition of 12 Leads.
- Automatic or manual measurements.
- Adjustable gain, sweep speed and filters.
- 2 times enlarged medians for all 12 Leads with calculation of ST parameters.
- Reconfigure Lead selection at any time during acquisition.
- Selectable Lead colors on screen and printouts.
- Unlimited storage depending on hard disc capacity.
- Option of storing 10 secs. or 60 secs. of data.
- Economical Printouts on a standard A4 paper with or without grid in user selectable colors.
- Advance Review & Analysis Provision.
- Telemedicine networking possible.



Technical Specifications

General

Type of Protection	:	Class II A
Degree of Protection	:	Type BF
Communication	:	USB Interface
Computer	:	IBM Compatible
Operating System	:	Windows XP

Unit Specifications

Acquisition	:	12 lead simultaneous
CMRR	:	100dB
ADC	:	14 bit
Input Impedance	:	> 1000 m ohm
Frequency response	:	0.05 to 150 Hz
Sensitivity	:	0.5, 1.0, 2.0, 4.0 & 8.0 cm/mV
Filter	:	Muscle Tremors 20, 35 & 100Hz High Pass 0.05, 0.2, 0.6, 0.8 & 1.0 Hz

Recording & Printing

Recorder	:	Windows compatible Inkjet/LaserJet
Print Format	:	- 4 x 3 + R - 6 x 2 - 12 x 1 - Median - Precordial - Frontal

Mechanical

Dimension	:	L283 x W210 x H70mm
Weight	:	2.3 Kg

Power Supply

Power Supply	:	+/- 5V
Input power req.	:	2.5 VA
Line Power supply	:	220-240V 50Hz +/- 10%
Fuse	:	T 1.5A

Analysis Software Specification

Display

- Display of Heart Rate and Blood Pressure
- Display of 1mm grid on monitor (user selectable)
- Choice of following display format during acquisition :
 - 4 x 3 Format (12 leads display of 3 sec with rhythm lead)
 - 6 x 2 Format (12 leads display of 5 sec)
 - 12 Leads Format (12 leads display of 10 sec)
 - 6 Frontal Leads
 - 6 Precordial Leads
 - Measurements display
 - Median Display

Review, Analysis & Reports

- Manual measurements of intervals and amplitudes on any ECG Lead, which can be expanded up to 4 times
- Automatic measurement of –
 - Amplitude of all 12 leads
 - P, QRS & T axis details with schematic
 - PR, RR, QRS, QT & QTC intervals
- Measures ST level and ST slope as per user defined I, J & Post J Points.
- 12 medians with enlarged median and parameters
- Variation of RR, PR, QRS width, QRS Axis & R Amplitude
- Screen dump can be taken at any time

Standard Accessories

1) Patient connector	:	01
2) Disposable electrodes	:	01 Pkt
3) USB Cable	:	01
4) Software CD	:	01
5) User Manual	:	01
6) Carry Bag	:	01

Since R&D is a continuous process, features & specifications subject to change without notice.

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