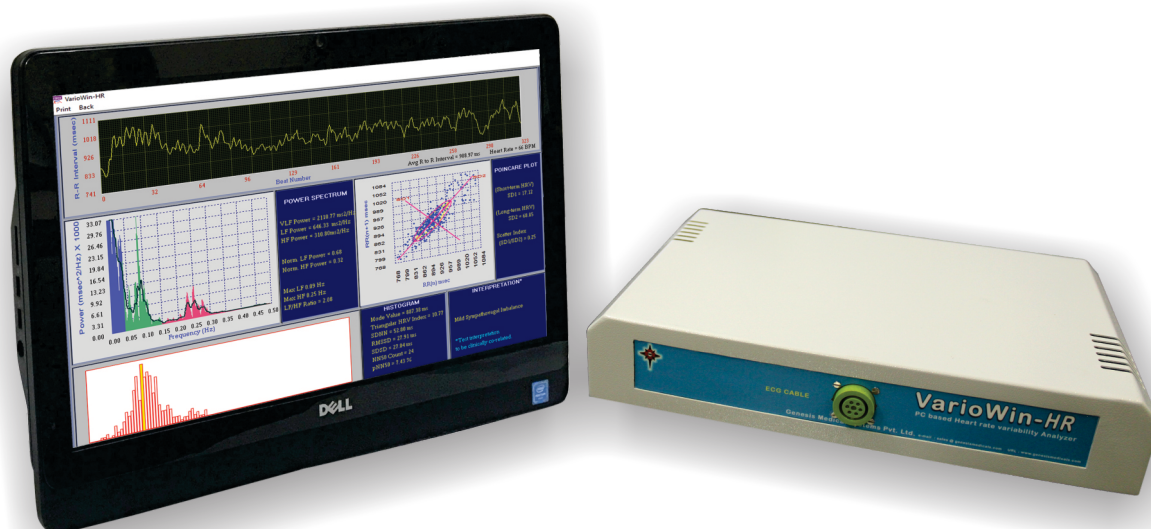




# VarioWin\_HR

PC Windows\* based Time and Frequency domain HRV Analysis System



**VarioWin\_HR** is state-of-the-art PC Windows\* based Heart Rate Variability (HRV) Analysis System with interpretation.

With all clinically proven and validated graphical and parametric measurements designed to the international guidelines and GOLD standards set by AHA and ESC in the field of short term HRV Analysis, VarioWin\_HR eliminates the ambiguity in ANS assessment of the patient.

Being fully automatic, VarioWin\_HR eliminates the need of manual recordings, lead change, gain adjustments and calculations. A simple 5-minute supine ECG record gives the most comprehensive analysis of patient's heart rate variability and interpretation. Inbuilt time domain and non-parametric frequency domain (spectral) analysis makes this system exhaustive and unique. Full disclosure of 5 minute ECG recording helps in validation of conducted test. VarioWin\_HR is a complete system dedicated to provide a simple solution for evaluation of patient's heart rate variability and the effect of intervention on it.

Windows\* based VarioWin\_HR software & USB port communication with the handy VarioWin\_HR instrument turns any PC into a full-fledged HRV Analysis system, with online real time graphs on screen. It gives a multicolor / B&W one-page report on A4 size paper. In-built patient database with more than 1000 patients memory helps to keep track of patient history. All at your mouse clicks in a very user-friendly VarioWin\_HR software.

## FEATURES

- Automatic and precise R-peak detection and RR interval calculation
- Full ECG disclosure
- Works with Windows\* 7 / 8 / 10 operating system
- Easy to operate software

## TECHNICAL SPECIFICATIONS<sup>5</sup>

### Continues ECG Waveform:

Sensing: 4 electrode method

### Test Method:

5 Minute interval ECG acquisition

### Database

MSAccess Easy Recall of any previous test

### Data Acquisition

Sampling rate: 500 samples/sec

Resolution: 12 bit

Data storage: Raw data on HDD

Interface: USB

### Standard Accessories

4 Lead ECG Cable - 1 No

Hardware Unit - 1 No

USB Cable - 1 No

Power Cord - 1 No

Software CD - 1 No

### Physical Characteristics

Instrument Dimensions: 330 mm x 200 mm x 60 mm

Approximate Instrument Weight: 2.8 kgs

### Power Requirements

Voltage 230 VAC  $\pm$  10%

Frequency 50 Hz, Power Consumption 1.0 A maximum

### Minimum PC Requirements

OS : Windows\* 7 / 8 / 10

CPU : Celeron\* 1.8 GHZ / i3 / i5 or better processor

HDD : 500GB

RAM : 2GB

Printer : Any Windows\* Compatible Inkjet / Laser Jet Printer

### ENVIRONMENT REQUIREMENTS

Operating and storage Temp. 15°C to 45°C

Ambient Relative Humidity 15% to 90%, non- condensing

Operating and storage Pressure/Altitude 523 mm Hg to 760 mm Hg

\$ Specifications are subject to change without prior notice

\* Laptop optional

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## RESULTS:

### Time Domain:

#### 1.Tachocardiogram:

Avg. RR interval & HR

#### 2.Poincare Plot:

Short term HRV (SD1)

Long Term HRV (SD2)

Scatter Index (SD1/SD2)

#### 3.Histogram:

Mode value

Triangular HRV Index

SDNN

RMSSD

SDSD

NN50 Count

PNN50%

### Frequency Domain:

#### Power Spectrum:

VLF Power

LF Power

HF Power

Normalized LF Power

Normalized HF Power

Max. LF Frequency

Max. HF Frequency

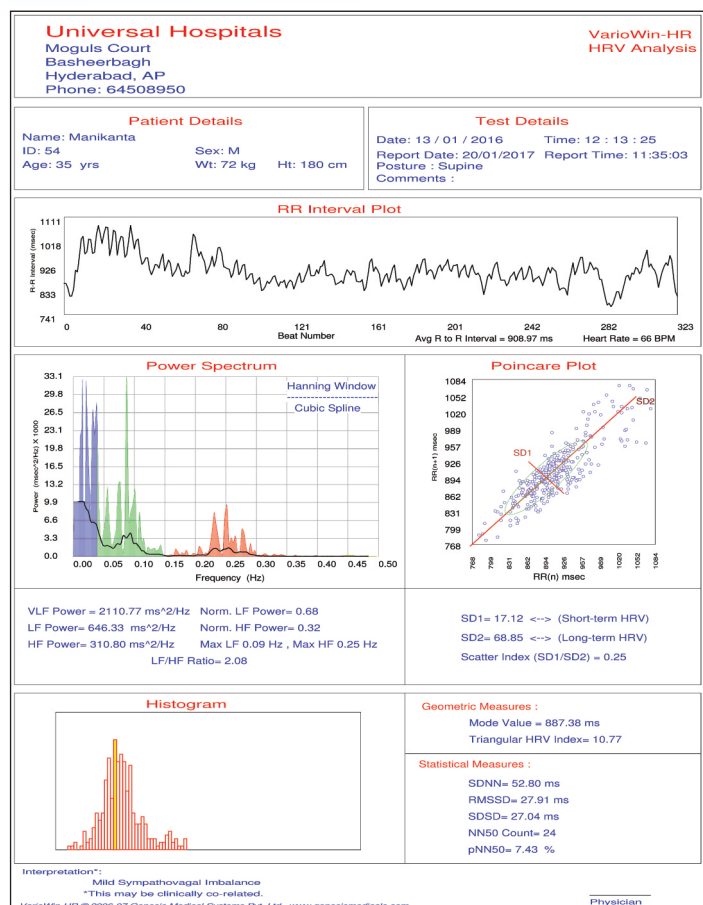
LF/HF Ratio

### Interpretation:

Parasympathetic Function

Sympathetic Function

Sympathovagal balance



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

Certifications



EN ISO 13485:2016

Manufactured by :

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