



VibroSense

Digital Biothesiometer



VibroSense is state-of-the-art, easy to operate Standalone, portable Digital biothesiometer. It is designed keeping in view operator ease, accuracy in reading and patient safety.

Loss of sensation due to neuropathy is the major cause of painless injuries to the feet. Such injuries result into chronic ulcerations and further complications leading to amputation's.

For prevention and reversal of peripheral neuropathy, VibroSense provides accurate readings on sensation loss, facilitating the physician for timely intervention.

The vibratory perception threshold at various sites on plantar foot quantifies the loss of sensation. Increase in VPT means diminished sensation and increasing risk. VibroSense is designed as a DC based digital electronic system with complete mains isolation. VibroSense does not use mains supply directly to generate the oscillations.

The frequency and amplitude dependency on AC power supply of common biothesiometers is totally eliminated. Generation of vibration is very stable and does not vary from place to place and time to time. Being digital, it gives very accurate readings.

VibroSense offers a high technology and cost - effective solution for vibratory perception analysis in diabetic foot care. It offers betterment over its predecessor technology that depends on AC power source for vibration generation.



FEATURES

- Easy to operate & accurate tool to diagnose peripheral neuropathy
- Digital voltage read out
- Hand-held vibrator with built-in mute switch
- DC to AC Conversion highly accurate and stable vibrations
- Optional Windows based printout software
- Portable and useful for bedside testing

TECHNICAL SPECIFICATIONS⁵

Generation: DC to AC conversion.

Method: 100 Hz vibrations using pure sinusoidal waveform

Voltage Display Range: 0 – 50V

Test Method

Hand held vibrator with mute switch

Data Display

Instrument: Digital voltmeter

Standard Accessories

Vibrator- 1No.

Hardware unit-1No.

Power Cord- 1No.

Software CD-1No.

Physical Characteristics

Instrument Dimensions: 290 mm x 200 mm x 110 mm

Approximate Instrument Weight: 3kg

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

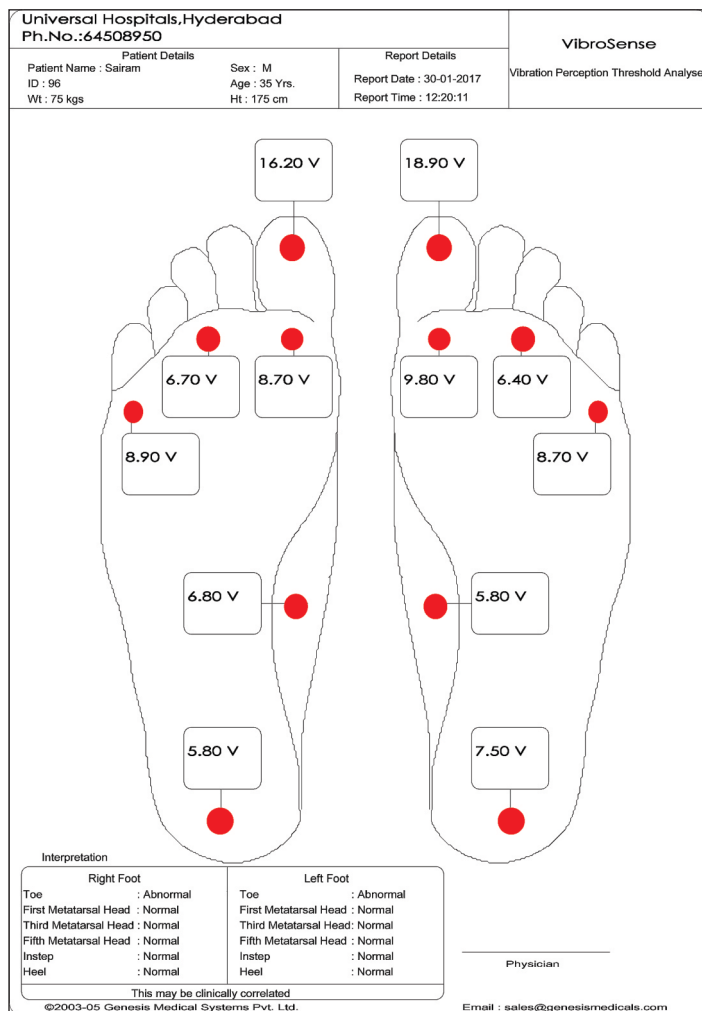
Operating and storage Pressure/Altitude 523 mm Hg to 760 mm Hg

\$ Specifications are subject to change without prior notice

* Laptop optional

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RESULTS

Vibration Perception Threshold in Volts for both plantar feet

Right Foot:

Toe
First metatarsal head
Third metatarsal head
Fifth metatarsal head
Instep
Heel

Left Foot:

Toe
First metatarsal head
Third metatarsal head
Fifth metatarsal head
Instep
Heel

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

Certifications



EN ISO 13485:2016

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