

Neuropathy Assessment Tool - VIBROSCREEN

Designed for neuropathy screening of large group of patients.



Vibration Perception Threshold (VPT) has been shown to be strongly associated with foot ulceration. VPT determination by using a Digital Biothesiometer has been used to identify peripheral sensory neuropathy and subjects at risk of foot. Digital Biothesiometer helps us to quantitate the threshold and monitor progressive changes or trends on following up testing.

Sensory neuropathy increases the risk of foot ulcerations by seven folds and peripheral arterial disease (PAD) by three folds in people with diabetes. Peripheral neuropathy is the major causal factors in the development of foot ulcerations among diabetic subjects.

Periodic and accurate measurement helps early detection. Early detection helps better prevention. Prevention is better than no cure. 50% of all the non-traumatic amputations occur in diabetics, who are high risk groups.

Vibroscreen helps us to quantitate the loss of vibration perception threshold. It has been specially developed for conducting neuropathy screening for a large group of patients.

Features:

- ◆ Easy tool to quantify Neuropathy
- ◆ Simple 4 position vibration output
- ◆ 15, 20, 25 and 50 Volts output selectable
- ◆ Weighs less than 2 Kg
- ◆ 220 Volt AC Mains operation

TECHNICAL SPECIFICATIONS:

VIBRATIONS:	Normally the output of Vibration is in Micron but they come in fractions. To make it readable internationally accepted modified outputs are in Volts which is a real number without fraction. This unit gives a vibration output in volts in step format of 15, 20, 25 and 50 Volts
POWER REQUIREMENTS	220 Volts, 50 Hz AC operation. The supplied power cable connects to a standard 5 Amp wall socket. No battery operation but it works well with any Sine wave inverters or UPS. No medical equipment supports square wave inverter. Power variation may alter the output voltage and vibration.
PHYSICAL CHARACTERISTICS	Dimension : L 150 mm x B 142 mm x H 110mm Weight with accessories: 2.00 Kgs
ENVIRONMENTAL REQUIREMENTS	It will work in all normal conditions. AC or Dust free environment is not an essential condition. Many times it works in open area during screening camps
PRESSURE / ALITUDE	Operating Conditions: 0 to 55 deg C, 15% - 95% non-condensing humidity Storage condition: -10 to 65 deg C, 15% - 95% non-condensing humidity Altitude: Measurement accuracy is not affected by the altitude
TEST METHOD:	Only Manual operated. Patients are asked to feel the vibration at Palm before tested on the foot. They should feel the starting of vibration and the digital value is noted.
DATA DISPLAY	The Vibration output in Volts 15, 20, 25 and 50 Volts in steps are displayed on a Digital display readout on the unit.
STANDARD ACCESSORIES	Vibration Probe - 1 No Instruction Sheet - 1 No Mains Fuses 100mA slow blow - 3 Nos. Carry Bag - 1 No



For more information contact

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