INSTRUCTION MANUAL (direction of use)

POINTER EXCEL II LT

T.E.N.S.

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Contents of MODEL Pointer Excel II LT Package

Model Pointer Excel II LT ..... 1 pc.
Hard carrying case ..... 1 pc.
Spare Stimulation probe ..... 1 pc
Grounding pole ..... 1 pc.
9V battery (PP3, 6F22 or its equivalent) (for demonstration only) ..... 1 pc.
Instruction Manual ..... 1 pc.

Introduction:

The model Pointer Excel II LT is a newly designed, accurate, and easy to operate hand held T.E.N.S. device which incorporates an effective, easy to use push button stimulation feature. This device is fully equipped with distinguished features such as polarity change-over switch, frequency selection and micro current stimulation. It is one of the most innovative hand held stimulators available in the market.

SAFETY PRECAUTIONS-Warnings

Heart Patient-Adequate precautionary measures should be considered prior to stimulating patients suspected of having heart disease. Current clinical data cannot sufficiently prove that no adverse results can occur in such patients.

Carotid sinus-Do not stimulate over the carotid sinus nerves, especially in patients with known sinus reflex sensitivity.

Neck Stimulation-Severe spasm of the laryngeal and pharyngeal muscles may occur when the electrode is placed across the neck or the mouth. This may be strong enough to close off the airway.

Cardiac Pacemakers- Stimulation will inhibit the output of some demand cardiac pacemakers and, therefore, it is not recommended for patients with this type of pacemaker.

Pregnancy-The safety of electrical nerve stimulation for use during pregnancy or delivery has not been established.

Other-Electrical nerve stimulation, as presently understood, is a symptomatic treatment, and as such may suppress the progress of pain which would otherwise

serve as a protective influence on the outcome of a disease process. The potential for physical and/or psychological dependence upon nerve stimulation as a means of relieving pain has not yet been determined.

It has been noted that some patients find the sensation of electrical stimulation extremely unpleasant and should probably be excluded from further use of the stimulator.

Do not apply electrical nerve stimulation current transcerebrally.

Do not apply electrical nerve stimulation when pain syndromes are undiagnosed until etiology is established.

Electrical nerve stimulation devices should be used only under the continued supervision of a physician. Electronic monitoring equipment (such as EKG monitors and EKG alarms) may not operate properly when electrical nerve stimulation is in use.

Avoid use in post-operative recovery rooms when a heart monitor is on.

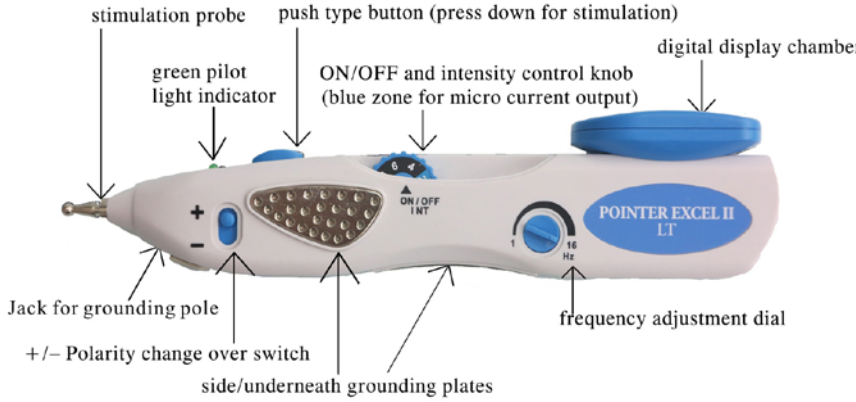
Keep out of reach of children.

Battery Information

Your device requires 1 9V battery, use PP3, 6F22 or its equivalent type of battery (Alkaline battery is recommended). The battery is replaced by opening the battery door on the bottom side of the device. Slide the battery door off, remove the old battery and insert the new one. Insert the battery correctly with the polarity according to the diagram shown in the battery compartment label. Make sure the directions of positive and negative poles of battery inserted are correct and be sure you are using a fresh battery. Close the battery door. Battery life is 4 to 20 treatment hours depending on how high the current is set and how long each treatment session lasts. Many short treatment sessions give longer battery life than fewer longer sessions.

To avoid battery leakage, remove the battery if the device will not be used for an extended period of time.

Indications and Controls ……



Operation of Controls:

The device consists of the following controls:

- An intensity and ON/OFF control knob on the left hand side of the device to control the intensity of the output through the metal probe electrode, which is located at the front tip of the device.
- A push type button on the front top of the device. Press this button to activate the stimulation mode. A continuous electric pulse of 1 to 16 Hz (adjustable) is emitted through the metal probe.
- A frequency adjustment dial is located at the middle of the device, near the name plate, to adjust the frequency of stimulation from 1 Hz to 16 Hz. The frequency selected can be read from the chamber when pressing down the push type button on the front top of the device.
- The Display chamber is located on the rear top side of the device. It features a display to show the frequency (from 1 to 16 Hz) of stimulation during operation.

- Polarity change-over switch, located at the front side of the device, to change the polarity of stimulation from + to –, or vice versa.
- There is a green pilot lamp on top of the device, next to the push type button. This will light up when the stimulation mode is activated.
- Two ground plates, one located at the front left hand side, and the other one underneath the device, allow the user to hold the device and touch the ground plate(s) easily in closing the circuit for stimulation.
- There is one jack on the bottom side of the device. This is for connecting the hand grounding pole.

Features:

1) The Display chamber is located on the rear top side of the device. It features a display to show the working frequency (from 1 to 16 Hz) when depressing the stimulation button.
2) Polarity change-over switch which allows the output stimulation to reverse its polarity from + (for tonification) to – (sedation) or vice versa, easily during treatment. When doing this, the output intensity should be turned down first in order to avoid a sudden increase in intensity.
3) The button on the top of the device may be pressed to activate the stimulation mode. A continuous electric pulse of 1 to 16 Hz (adjustable by turning the frequency dial) is emitted through the probe. The intensity may also be adjusted from 0 to 45 mA r.m.s. The intensity is controlled with the intensity knob labeled “INT”. Micro current intensity is emitted when the knob is in the “blue” zone. When treating with micro current intensity, there will be very little or no feeling of stimulation.

NOTE : The Stimulation for the Pointer may be increased by lightly moistening the skin.

4) Modern Spring Type Probe Tip
   This new improved interchangeable spring type probe provides a more constant and comfortable pressure to the area or points.
5) Hand Grounding Pole Accessory
   The patient must hold the hand grounding pole in order to create a complete electrical circuit. This accessory is easily attached or removed from the device. The grounding pole is not necessary when using on oneself, providing the grounding plate(s) on the device is contacted.
6) Frequency adjustment dial, to adjust the frequency of stimulation from 1 Hz to 16 Hz. The frequency selected can be read from the display chamber when pressing down the push type button on the front top of the device.
7) Two ground plates, one located at the front left hand side, and the other one underneath the device, to allow the user (or left handed user) to hold the device and touch the ground plate(s) easily in closing the circuit for stimulation.

INSTRUCTIONS FOR USE

1) Insert the 9 volt battery onto the battery clips, the positive and negative poles of the battery should always be matched correctly with the respective battery clips. A 9 volt alkaline battery is recommended for the best performance.
2) For self-use, touch the grounding metal plate(s) on the front side or underneath the device and then identify the treatment area. If stimulation is required, simply adjust the intensity knob “INT” to an acceptable level and press the Stim button. Pressing the Stim button will produce output stimulation. The intensity is controlled with the knob labeled “INT”. Turn the switch clockwise to increase the output intensity. Micro current intensity is emitted when the knob is in the “blue” zone. When treating with micro current intensity, there will be very little or no feeling of stimulation. It is recommended to begin treatment with a low intensity setting, thereafter turning the “INT” control until a comfortable intensity is reached.
3) In order to treat patients, the grounding pole must be attached with the plug jack to the bottom of the device. The patient must hold the grounding pole to

complete the electrical circuit which then activates the stimulation functions.

4) This device is equipped with a Polarity change-over switch. If a positive (+ for tonification) or negative (- for sedation) pulse stimulation is required, simply set the switch to + or – position.
5) The Display chamber is located on the rear top side of the device, it features a digital display to show the frequency (from 1 to 16 Hz) of stimulation during operation.
6) Turn off the device after use. Remove the battery from the device when the device will not be used for a long period of time.

LENGTH OF TREATMENT

The length of treatment or stimulation time depends on the area to be treated as well as other factors. Generally, treatment times may vary from 3, 5, 10, or 20 seconds, longer times may also be necessary in some cases. The best treatment times and intensities should be selected based on the practitioners experience and training.

Accessories & Packing:

1. Stimulation probes……… ……………………………………………………………….. 1 pc.
2. Spare grounding pole ………………………………………………………………..1 pc.
3. 9V battery (PP3, 6F22 or its equivalent) (for demonstration only)………1 pc.
4. Instruction manual ……………………………………………………………………….1 pc.

The device and its accessories are packed in a hard carrying case.

TECHINICAL SPECIFICATIONS:

Channel	: One
Output Current	: 0 – 45 mA r.m.s.
Pulse Rate	: 1-16 Hz (Adjustable)
Pulse Width	: 260 µS (Fixed)
Waveform	: Biphasic square wave with a negative spike
Display	: LCD Display Stimulation showing figures 1-16 Hz
Polarity (+/-)	: Control by switch
Power Source	: 1 piece of 9V battery (PP3, 6F22 or its equivalent)
Device Dimensions	: 225 X 50 X 38mm
Weight of Device	: 95 grams device only

ELECTRICAL SPECIFICATIONS ARE +-20% WITH 500 OHM LOADING

MAINTENANCE

Maintenance of the device is limited to cleaning the battery contacts and metal electrodes.

The device operates on a 9 volt battery (A 9 volt alkaline battery is recommended). When adequate stimulation can no longer be maintained, change the battery.

Remove the old battery and replace it with a new one. The device will provide stimulation only if the battery is properly installed.

CLEANING

DO NOT IMMERSE THE DEVICE IN ANY CLEANING SOLUTION.

The device should be periodically wiped clean using a damp cloth and a solution of mild soap and water. Use of other cleaning solutions may damage the case. The metal electrodes should be thoroughly washed in a 50% mixture of isopropyl alcohol and water. The wire should be wiped clean with a cloth dampened with a mild soap solution and then wiped dry.

TROUBLE SHOOTING

If your device is functioning improperly, check the procedures below to determine what may be wrong. If none of these measures correct the problem, the device should be serviced. **Do not attempt to repair the device by yourself!** Return the device to your local authorized dealer or to the manufacturer as listed in this manual for repair or service.

1 Battery replacement-Battery should be replaced whenever sufficient stimulation cannot be maintained.

2 Care of Device - The device and metal probe electrodes should be kept clean. The device should not be immersed in any liquid. Avoiding rough use will help prevent premature failure.

Problem	Possible Solution
Indicator lights up but device does not function properly.	Check control settings to ensure they are set to values required. Check if frequency control is turned on (not too low, or at zero setting)
-No indicators light up.	Replace battery with a new one.

Storage and Transportation

Store device in a dry location free from dust and contamination where the temperature remains fairly constant and within the range of -16℃ to 40℃ (3.2℉ to 104℉).

Do not drop, mishandle, or expose to temperature or humidity extremes <outside the range of -16℃ to 40℃ (3.2℉ to 104℉), 15-95% RH non-condensing.> Do not use if the device malfunctions or has been damaged in any manner.

The device can be used until it malfunctions. There is generally no restricted "shelf-life" of the device.

Limited Warranty ……

This warranty is in lieu of any other warranty expressed or implied:

This Pointer Excel II LT is warranted to the initial purchaser (“purchaser”) and to no other person against any defects in material and workmanship for a period of one year from the date of purchase. If the device is found to be defective within the warranty period, it will be repaired or replaced if returned prepaid to an authorized service center. This warranty does not cover damage caused by rental, misuse, negligence, accident, abuse, alteration, or modification of the device. Repairs after the warranty period will be made and charged to the customers on the basis of rates which are available on request. Except for personal injury, no liability is held in either tort or contract for any loss or damage, direct, consequential, or incidental arising out of the use, misuse or inability to use this product.

Serial No. _____
(located on the rear side of the device, next to the battery compartment door)

Date Purchased _____
Customer : Please record this information

Manufacture date….

Date of Manufacture : see device

Manufactured. for: Lhasa OMS, Inc., Weymouth, MA. USA

1-800-722-8775

Made in China