

How to order a MyoTrac Infiniti NeuroPD unit

- Download order form from:
www.advancedmusclestimulators.com
or
- Call: 877-427-2580 or 585-427-2580
to request an order form
- Mail or fax order form AND prescrip-
tion from a qualified professional to:

Advanced Muscle Stimulators, LLC 3255
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102, Rochester, NY 14623

or

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PRICE, MONEY BACK GUARANTEE IN-
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**Advanced Muscle Stimulators, LLC is
committed to excellence in costumer
services. Please do not hesitate to call
us with questions or comments so we
can continue to improve our service
and products.**



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MyoTrac Infiniti NeuroPD EMG+STIM



*EMG+STIM is 21st century neuro-
muscular stimulation taking advan-
tage of current knowledge about
motor learning and brain plasticity*

877-427-2580 585-427-2580

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Frequently Asked Questions about MyoTrac Infiniti NeuroPD

What is the MyoTrac Infiniti Neuro PD?

The MyoTrac Infiniti Neuro PD contains:

- 2 channels of EMG Biofeedback
- 2 channels of Neuromuscular Electrical Stimulation (NMES)
- 2 channels of EMG-Triggered Muscle Stimulation (EMG+STIM)

It comes with an easy to understand user manual, lead wires, one package of electrodes, and ear phones.

What is EMG?

An EMG is a technique used to evaluate the electrical signals that come from a muscle. Electrodes placed on the patient's skin pick up the EMG signal. The strength of the EMG signal from the muscle is communicated to the patient either via the screen as a line, bar or number or via auditory feedback to the patient in the form of sound coming from the unit that vary depending on the amount of muscle activity.

What is Biofeedback?

Classic Biofeedback training techniques have been widely used for neuromuscular re-education and relaxation for many years. Biofeedback electrodes placed over a muscle that the patient attempts to activate pick up the EMG signal. The patient then gets an auditory or visual feedback about the strength of the EMG signal and can learn to respond to the signal.

What is EMG+STIM?

With EMG+STIM the patient has to trigger the muscle stimulation. The electrodes that are placed over the muscles pick up the EMG signal when the patient attempts a movement and when a preset threshold of EMG is reached the stimulator turns on and helps the patient complete the movement. This technology uses the patient's own neural system as the trigger thus allowing the patient to learn how to produce a normal movement. This is a "closed loop" training system that is builds on current knowledge about neuro plasticity.

How is EMG+STIM different from NMES?

NMES has been widely used in therapy for many years and EMG+STIM grows from this wide body of knowledge and integrates neuro-facilitation into the training. By doing so the patient is actively participating in the training and can learn to produce a normal movement. For the therapist it is much easier to use EMG+STIM than to use an external trigger with NMES because it is very difficult to trigger the NMES with good timing. With the EMG+STIM the timing of the stimulation is perfect each time because it is the patient that triggers the stimulator.

What does EMG+STIM feel like?

With the use of EMG+STIM less current is needed to produce the desired movement than with NMES because the patient is actively participating in activating the muscle. This makes EMG+STIM easily tolerated even by young children.

What is the MyoTrac Infiniti Neuro PD used for?

The MyoTrac Infiniti Neuro PD has been designed for use with children and adults with neurological disorders such as stroke, Cerebral Palsy and Brachial Plexus Injury. It contains treatment protocols that are safe and effective for patients with neurological disorders. Customized protocols can easily be created and stored.

Who can purchase the MyoTrac Infiniti Neuro PD?

US federal law restricts this device to sale to, or on order of, a physician or any other practitioner licensed to used this type of device by the state in which he or she practices.

Advantages of MyoTrac Infiniti NeuroPD

- EMG+STIM activation requires less current than classic NMES
- Improved patient comfort and improved compliance
- Reduced risk of overwork fatigue or muscle damage
- Thresholds automatically set for ease of use
- Pre-programmed with both atrophy and strengthening protocols
- Unit is fully programmable for customized protocols
- Report generation to monitor change

The Myotrac Infiniti Neuro PD EMG initiated electrical stimulation unit provides more comfortable stimulation, at a lower amplitude with much better results than we have observed with other electrical stimulation units. In working with the pediatric population, each of these factors is important. The unit is also user-friendly and able to store information in the unit or on a computer through a portable flash drive. The biofeedback provided during contraction gives the child a visual cue to focus on the muscle. The machine can be used for up-training or down-training. We love the concept of having a threshold set that the child must reach voluntarily before the Myotrac will "kick-in" the stimulation. We have added discussion and video of this important adjunct to our Advanced Pediatric Kinesio Taping and Therapeutic Taping courses.

*Trish Martin, PT
Audrey Yasukawa, MOTR/L*