

How to order a TES 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
Brighton Henrietta Townline Road Suite
102, Rochester, NY 14623

or

Fax: 585-427-7410

PRICE, MONEY BACK GUARANTEE IN-
FORMATION, AND WARRENTY INFOR-
MATION CAN BE FOUND AT:

www.advancedmusclestimulators.com

**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.**



3255 Brighton Henrietta Townline Road
Suite 102
Rochester NY 14623

Phone: 877-427-2580 585-427-2580
Fax: 585-427-7410

Email:
sales@advancedmusclestimulators.com



NT2000 TES Threshold Electrical Stimulation



*Low-level night-time
Neuromuscular Stimulation treating
Disuse Muscle Atrophy.*

877-427-2580 585-427-2580

www.advancedmusclestimulators.com

Frequently Asked Questions about Threshold Electrical Stimulation

What is TES?

TES is a form of Neuro Muscular Electrical Stimulation (NMES) however unlike conventional NMES, TES is applied at the sensory level giving only a very low level of stimulation over a long period of time. The equipment consists of a small two channel pocket sized NMES stimulator, wire leads and four electrodes.

How does TES feel?

The stimulation is painless and takes place at night during sleep. Some children call it their "Tickle Machine" or describe the stimulation sensation as "Butterfly Kisses". This unit has specific safety features for home use on children, during sleep that are not available in other NMES units.

How is TES used?

TES is used at home, at night, during sleep. The user of TES receive 10-12 hours of pain free muscle stimulation with the aim of developing more muscle substance that can then be strengthened and integrated into improved function.

What is TES used for?

Threshold Electrical Stimulation (TES) is a cost effective, home based electrical stimulation program used to treat Disuse Muscle Atrophy (DMA).

What is Disuse Muscle Atrophy (DMA)?

DMA is wasting of muscle tissue due to non-use or low use of the muscle. If a limb is in a cast for a period of time the muscles that have not been used will have disuse atrophy and they will appear significantly smaller and be very weak.

Most people do not realize that all children and adults with neurological problems have muscle weakness caused by disuse atrophy in addition to the neurological problem. The underlying muscle weakness significantly impacts the patient's ability to perform functional tasks.

How does TES help Disuse Muscle Atrophy?

A muscle with significant disuse atrophy cannot be strengthened through exercise alone—in fact strengthening of the atrophied muscle can cause more harm to the structures within the muscle. The low level electrical stimulation increases blood flow to the muscle tissue during the night which causes the muscle to grow. After consistent nightly treatments over a period of time new muscle tissue can be seen and felt. The new muscle tissue is now ready to be strengthened with therapeutic exercises. Often the patient will experience an improvement in awareness of the area that has been treated after 6-8 weeks of treatment.

Who can administer TES?

According to US Federal Law only physicians and other practitioners who are licensed by the state in which they practice can order or administer TES.

It is important that TES is used correctly, which is why specific treatment protocols have been developed for a significant number of neurological conditions. Across the world there are many therapists and doctors who are trained to use TES. If your therapist is not trained in TES training can easily occur through a home study course, which can be accessed from the TASC Network, Inc (www.tascnetwork.net).

How can a TES unit be obtained?

Federal law requires a prescription from a licensed professional such as a medical doctor or nurse practitioner. Once the patient has a prescription for TES the unit can be ordered from Advanced Muscle Stimulators, LLC which is the only place where a TES unit can be purchased.

Is TES safe for a child?

The NT2000 TES unit has many safety features that makes it safe for use with children. Examples of safety features include:

- A lock that protects the control from accidental activation
- Safety shut-off if wires or electrodes become dislodged
- The unit is safe if it comes in contact with liquids

Is TES approved by the FDA?

Prevention and/or retardation of Disuse Muscle Atrophy (DMA) is one of the FDA approved indications for use of electrical stimulation.

My daughter Maia has an Obstetrical Brachial Plexus Injury (OBPI). When Maia was 2 1/2 we began our long-term mission to use TES to re-grow atrophied muscle in the triceps and scapular stabilizer areas. We were surprised to find that along with regrowing muscle it also cleared up any painful edema she had in her affected arm. Maia is also prone to getting stubborn infections especially in her thumb webbing but when we use the TES the infections clear up much faster. Outside of our original "muscle regrowing" reason, I highly suggest that anyone with decreased circulation in a limb should keep a TES unit in their first aid kit.
Francine Litz