



The Complete Physical Therapy Solution



ELECTROMYOGRAPHY (SEMG)

ELECTROSTIMULATION (NMES)

SEMG-TRIGGERED STIMULATION

 **Thought
Technology Ltd.**



THE COMPLETE PHYSICAL THERAPY SOLUTION

For Muscle Re-education, Rehabilitation and the Treatment of Incontinence

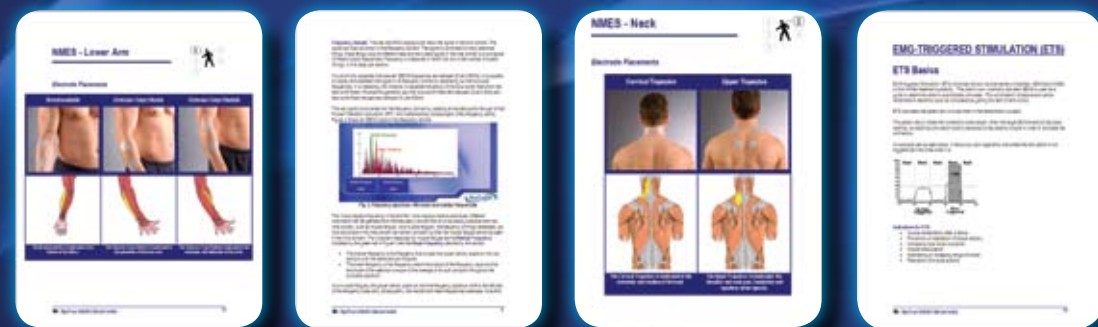
MyoTrac Infiniti allows you to measure two channels of high-resolution surface electromyography (SEMG) and provides 2 channels of electrical stimulation (NMES) in a wide variety of configurations. MyoTrac Infiniti stands apart from the competition by including SEMG-triggered stimulation (ETS), where the SEMG signal is used to trigger stimulation - to help patients improve volitional activation of target muscle groups. This combination of three modalities enhances treatment possibilities and eliminates the requirement for multiple devices.

Intended Purpose

- Biofeedback, relaxation & muscle re-education purposes
- Relaxation of muscle spasms
- Prevention or retardation of disuse atrophy
- Increasing local blood circulation
- Maintaining or increasing range of motion
- Stroke rehab by muscle re-education
- Immediate post-surgical stimulation of calf muscles to prevent venous thrombosis
- Acute and ongoing treatment of stress, urge or mixed urinary incontinence where inhibition of the detrusor muscle through reflexive mechanisms may improve urinary control
- Incontinence treatment for assessing EMG activity of the pelvic floor and accessory muscles such as the abdominal or gluteal muscles

Extensive Documentation

MyoTrac Infiniti has been designed by and for physical therapists. It comes with a clinical guide, explaining the general concepts of the three modalities, the placement of the electrodes and various clinical protocols.



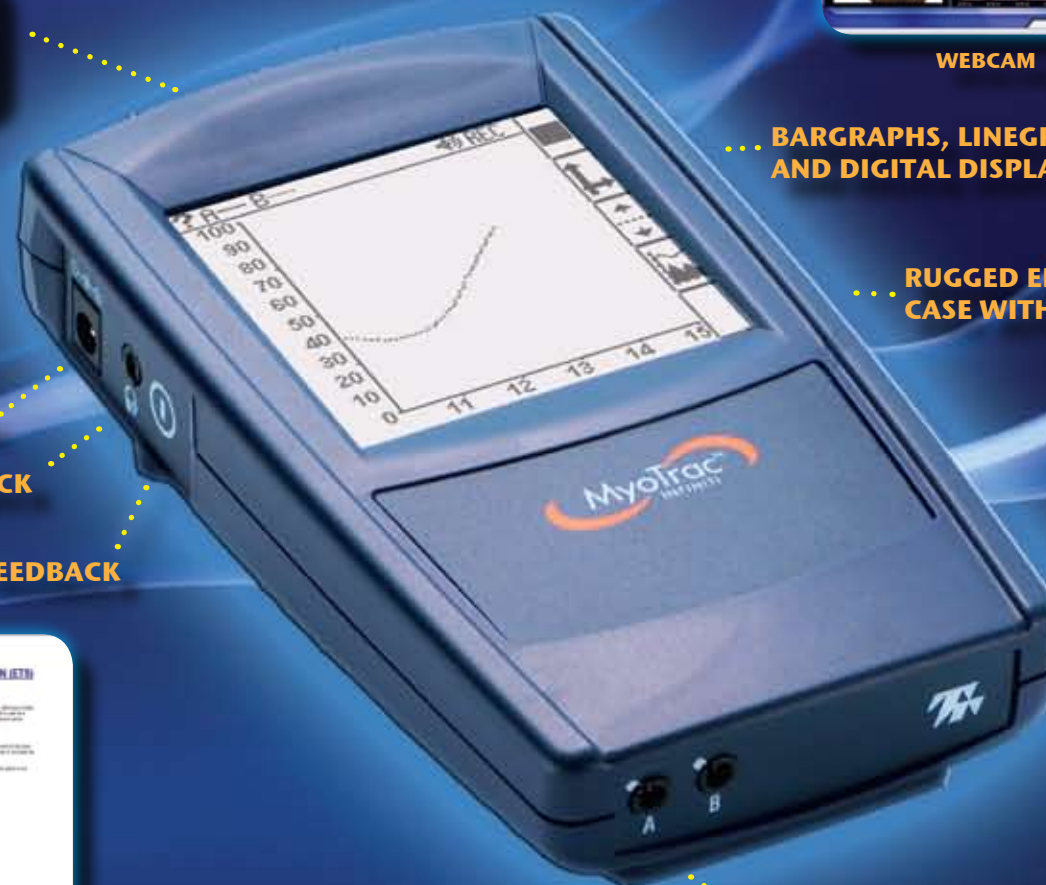
COMPACT FLASH



BATTERY CHARGING

HEADPHONE JACK

AUDIO FEEDBACK



2 CHANNEL SEMG + STIMULATION



Clinically Relevant Software

The clinical version of MyoTrac Infiniti is further enhanced by the powerful BioGraph Infiniti software and its SEMG Rehab Suite, which combines dynamic graphics (animations & DVD, etc.), with analysis and reporting functions, the result of 30 years of experience in Biofeedback. The software proposes various assessment and training protocols with very helpful guidelines for beginners, as well as experts.



CAPTIVATING GAMES FOR BIOFEEDBACK

BioFun is a newly released software add-on for BioGraph Infiniti, consisting of a series of video games for developing voluntary control while having fun!

Fly a balloon while working your muscles. Gain control over your muscles and movements while swimming like a fish, piloting a race car, or even flying like a super hero!



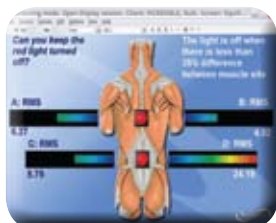
NOW YOU HAVE A CHOICE!



OUR PROCOMP/FLEXCOMP INFINITI SYSTEMS NOW HAVE THEIR OWN OPTIONAL REHAB SUITE PACKAGE

ONE CLICK START UP PROVIDES:

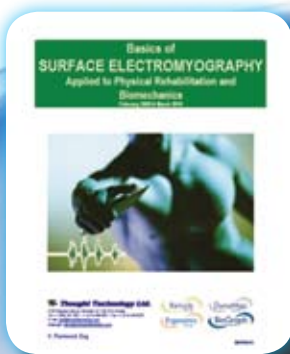
- Surface Electromyography Biofeedback
- Range of Motion Training
- Respiration Training
- Heart Rate Variability Training
- Skin Conductance and Peripheral Temperature Biofeedback



COMPREHENSIVE VIEW OF PATIENT REHABILITATION

Choose from a wide variety of assessment protocols with specialized reports:

- Dynamic and Static SEMG Assessment
- Dynamic and Static Range of Motion Assessment (with optional SEMG)
- Muscle Testing (with optional SEMG)
- Algometry
- Video recording and review to help patients follow protocols
- Automated protocols guide treatments



**DOWNLOAD OUR
"BASICS OF SEMG" BOOK FOR FREE!!!**
www.thoughttechnology.com/semgbasic.htm

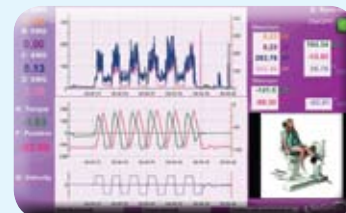
TELE-INFINITI CF BLUETOOTH CARD

Roam freely
and send sig-
nals up to 300
feet (100 meters)



MYOSCAN-Z SENSOR ASSURES GOOD CONTACT

A unique EMG sensor
with built-in impedance
checking for high signal
quality



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Monitor EMG and other signals
from Biodex and other
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Thought Technology Ltd.

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