



Included in this newsletter

CardioPro 2.0™

Pro-SB Dual™

ProComp+™ &
BioGraph® 2.1

BioGraph®
Workshops

E-Z Connect™
Software

EEG-Z Sensor™

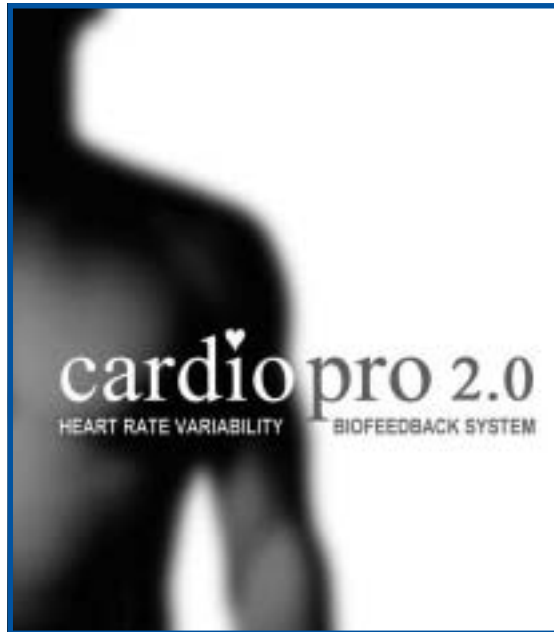
Healthy
Computing With
Muscle
Biofeedback™

MyoTrac 3™ & 3G™
New Prices

AquaSense™

New Triodes™

ProComp+™
Users Group



CARDIOPRO™ IS A SPECIALIZED PHYSIOLOGICAL

monitoring and biofeedback application for the cardiovascular and respiratory systems. It provides a powerful means of observing the interplay between the sympathetic and parasympathetic nervous systems. It can perform real-time feedback on respiratory sinus arrhythmia (RSA) and heart rate variability (HRV) from an electrocardiography (EKG) or blood volume pulse (BVP) sensor. The system can also monitor other key physiological functions, such as respiration, temperature and skin conductance, for the most complete view on your client's physiology. With a simple graphic user interface and comprehensive reporting features, CardioPro lets you easily flow through the steps of recording, reviewing, and analyzing data. CardioPro is powerful enough for research applications, yet remains flexible for clinical work.

Newsletter

CARDIOPRO 2.0™ NEW FEATURES

- ◆ 1 or 5-minute time window for 2D and 3D spectrum display.
- ◆ Raw and IBI data export function.
- ◆ Option to record and monitor skin conductance
- ◆ Bar graphs for real-time feedback on the power of the low and high frequency (LF and HF) components of HRV.
- ◆ Ability to use CardioPro with a blood volume pulse (BVP) or an EKG sensor to calculate HRV.
- ◆ Screen freeze allows you to freeze display screen without interrupting the recording.

Software in Synchrony



*A real-time data
splitter device for
the ProComp+*

With our new Pro-SB Dual Interface, you are now able to use the ProComp+ encoder and run CardioPro and BioGraph simultaneously! This gives you the ability to get real-time EEG and HRV data in one recording session. Now you have the choice - BioGraph, CardioPro, or BOTH in parallel - the Pro-SB Dual Interface now gives you the option!

YOUR KNOWLEDGE AND OUR TECHNOLOGY WORKING HAND-IN-HAND!

ARE YOU UP TO SPEED?

Workshops

Introduction to BioGraph®

In this one-day workshop, you will be guided in the key processes of using and customizing the software. Learn how to develop effective and relevant screens, protocols, and reports. The emphasis is on hands-on learning of this powerful physiological tool.

Workshop Presenters

- Didier Combatalade, D.C.
- Frank DeGregorio

Advanced BioGraph® with Health Professionals

Take your knowledge of BioGraph® to the next level with the two-day advanced workshop. Taught by leaders in the clinical field who use BioGraph® on a daily basis, you will learn how to use the more advanced features as they relate specifically to your practice.

Workshop Presenters

- Helena Kerekhazi, M.S., Ed.
- Joel F. Lubar, Ph.D
- Louise Marks, M.S., O.T.R.
- Stephen I. Sideroff, Ph.D.
- Lynda Thompson, Ph.D. & Michael Thompson, M.D.

ProComp+™ & BioGraph® 2.1

The ProComp+™ with BioGraph® 2.1 software is a highly flexible biofeedback system that has opened a whole new world of training possibilities for patients of all ages, including pediatric patients who have difficulty concentrating. BioGraph achieves this by offering a wide variety of on-screen animations, eye-catching graphics and digital sound.



In addition to allowing the clinician to monitor two channels of EEG, this 8-channel system can also monitor Electromyography, Electrocardiography, Temperature, Skin Conductance, Heart Rate/Blood Volume Pulse, and Respiration - all of which contribute to the building of a complete psychophysiological profile.

You can monitor one, all, or mix modalities to fulfill all your clinical or research needs.

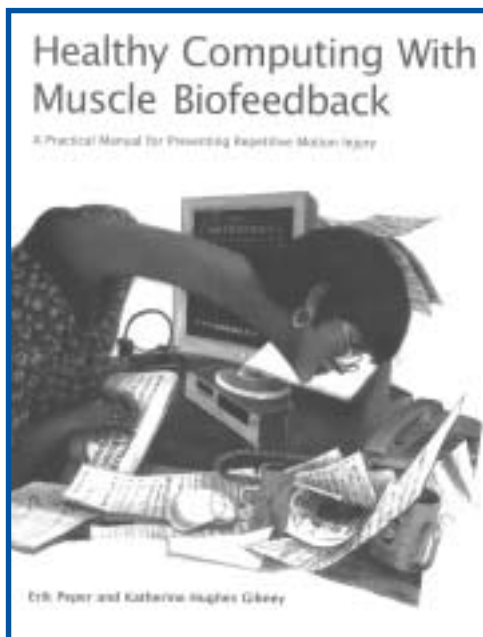
EEG-Z™ Sensor and E-Z Connect™ Impedance Testing Software

Enhance the quality of your EEG recordings with high quality, low impedance electrode connections to your clients. An impedance check is performed directly inside the EEG-Z sensor for all three leads at the same time! After 10 seconds, the impedance check is complete and your sensor automatically switches to a regular EEG reading mode.

Now you can be certain, every time, that you have sufficiently prepped the electrode sites without having to disconnect the electrodes. You just connect and check in one easy step!



TRAC YOUR PROGRESS WITH OUR MYOTRAC SYSTEMS



Healthy Computing With Muscle Biofeedback

A Practical Manual for Preventing Repetitive Motion Injury

Dr. Erik Peper & Katherine Hughes Gibney

New research shows it takes more than just an ergonomic desk, chair or a split keyboard to prevent the health problems affecting millions of computer users. In their new book *Healthy Computing with Muscle Biofeedback*, published by the Biofeedback Foundation of Europe, researchers Dr. Erik Peper and Katherine Hughes Gibney offer an effective, inexpensive way for computer users to learn work habits that will help them avoid injury.

The solution, claim Peper and Hughes Gibney, is for individuals to retrain their work habits using biofeedback. Their intervention strategies teach health providers (physical therapists, occupational therapists, psychologists, ergonomists and occupational safety managers) how to use portable surface electromyograph (SEMG) units, such as MyoTrac or MyoTrac 2, to identify muscle tension with real-time feedback.

Utilizing SEMG, employees observe their own unhealthy work patterns such as unnecessary shoulder tension (raising the shoulders when typing), or waiting with finger poised and baited breath while reading e-mail messages. They then use this awareness to develop healthy computing habits. SEMG is also essential in determining the best ergonomic set-up for the individual. Peper and Hughes Gibney convincingly argue that anyone offering ergonomic and work site interventions must include biofeedback as part of their rehabilitation.

Healthy Computing with Muscle Biofeedback offers a systems perspective with detailed instructions. Utilizing biofeedback with these instructions, individuals can break through the lack of awareness and teach themselves to perform at their optimum without harm at any work station.

New Low Prices!

Incontinence is now easier to treat with these two sleekly designed, more affordable devices.

**NOW
\$2500 US**



MyoTrac 3™

**NOW
\$2800 US**



MyoTrac 3G™

MyoTrac 3 & 3G are highly sensitive dual channel SEMG biofeedback devices which allow clinicians to monitor two muscle sites simultaneously.

With our Continece software, which can be used with any laptop or desktop computer, clinicians have the flexibility to customize applications for a diverse patient population. MyoTrac 3 & 3G also provide extensive statistics to comprehensively evaluate muscle functions.

These sophisticated, yet easy-to-use systems enable clinicians and patients to work together for effective management of incontinence.

ANTICIPATING YOUR NEEDS

Underwater SEMG



Aqua Sense™ Keeping your sensors dry

This easy-to-use SEMG add-on connects to any of our SEMG sensors to adapt their use to the pool environment. It allows you to take advantage of the well documented benefits of the water environment for your biofeedback-assisted therapy sessions. Aquatic Biofeedback no longer needs to involve time consuming and difficult applications of a waterproof barrier; just use Aqua Sense. It is applied in seconds by attaching the sensor as you normally would.

Then slip the sock or glove over the limb, and evacuate the air using the

integrated pump, thus creating the patented watertight vacuum seal. The Aqua Sense fits snugly, yet comfortably during the session. It can be immersed partially or totally in water.

It is made of rugged surgical latex with non-skid grips to help prevent slipping. The built-in pump also acts as a gauge showing that the vacuum is intact and is not leaking. So go ahead and dive into aquatic biofeedback!

Aqua Sense comes in a range of sizes for arms and legs.

Don't Forget To Join The ProComp+™ Users Group

Take advantage of this great opportunity to get advice from, and share information with, other ProComp+ Users, our technical support staff and workshop leaders!

To join, just go to www.thoughttechnology.com and enter your email address in the Yahoo! Groups subscription box at the bottom of the page.

A New Generation of Triodes™



Thought Technology has developed a new triode that features a unique bi-metal design; Ag-AgCl contacts the skin, and the nickel-plated brass dome caps connect to the MyoScan active sensor.

This design change was the result of a serendipitous discovery: a triode was left in the sensor head for a long period of time, resulting in a reaction between the humidity in the air, the chloride in the Ag-AgCl, and the corrosion of stainless steel springs. There is no problem if the disposable electrodes are removed immediately. However, MyoScan SEMG Sensors are often used by many physical therapists in a clinic, increasing the possibility of inadvertent damage. This new innovation ensures that such an oversight cannot cause corrosion. The end result is better contact for more consistent readings, as well as the knowledge that you are protecting your SEMG investment. The new Triodes™ ensure a clearer signal and are also easier to insert and remove from the sensor.

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