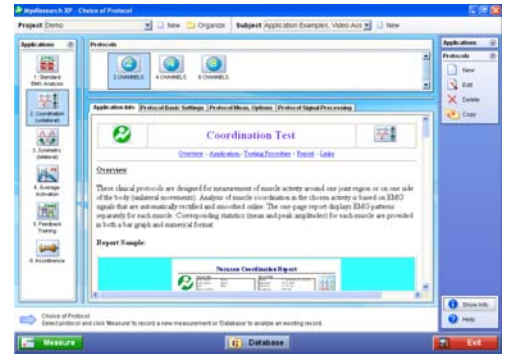


Clinical Application Protocols

Automatic recording & analysis routines

- For the every day use in clinical settings
- Can learn to use in 10 minutes or less
- Flexible and adjustable protocol options
- Optional digital video synchronization
- Real-time processing, data export functions
- Automatic online analysis reports

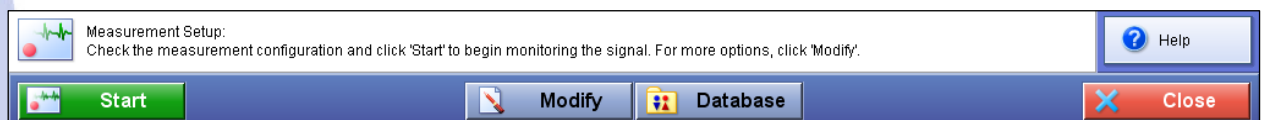


Product Overview

MyoResearch XP Clinical Application Protocols is the perfect package for clinicians and non-EMG specialists to perform essential EMG and sensor measurements. The package comes pre-configured with a collection of clinical EMG application protocols for quick and easy use. Equipped with an automatic online reporting system, analyzing data has never been easier. The users can work diligently and comfortably while performing EMG measurements, allowing the clinician more time to focus on analyzing the data with patients and working on the recovery process.

Program Functionality

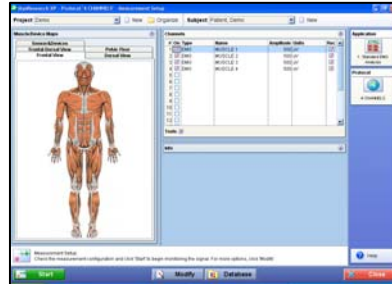
MyoResearch XP Clinical Applications, is equipped with a set of clinical EMG application protocols, which allows a fast and comfortable performance of EMG measurements without a time consuming learning curve. The online reports avoid any additional effort to analyze the data. After each test you can immediately show and explain the findings to your patient. The user-friendly software enables non-EMG specialists to easily and accurately perform EMG measurements within seconds. After choosing the proper protocol group and entering the subject name, a “protocol assistant” guides you through four simple steps to complete the measurement routine. A traffic light principle is used to operate each protocol:



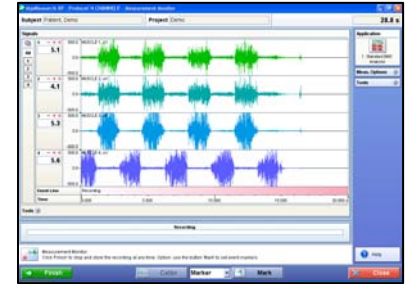
The main operation panel is equipped with a green “main action button” located on the left side of the screen. By pressing it, you automatically enter the next step, continuing to the final analysis report. On the right side there is the red “Stop” button, which allows you to interrupt a protocol at any time. In the middle you find the “Option/Modify” buttons, which allows you to customize each step to your personal needs.

Below is an example of just how easy it is to use. In four easy steps you can be on your way to the new world of data acquisition and analysis of EMG and biomechanical sensors.

Step 1
⇒ *Confirm or configure*



Step 2
⇒ *Measure*



Step 3
⇒ *Define analysis periods by mouse*



Step 4
⇒ *Review & print the report*



Application Protocols

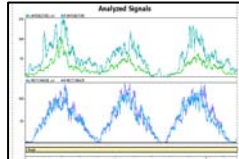

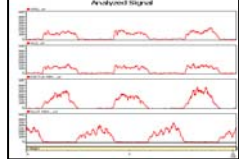

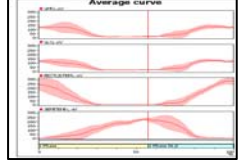



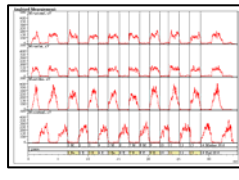



The supported clinical application protocols are designed for manual muscle testing, analysis of body movement patterns during therapy exercises, sports performance movements and ergonomic research. The option of a feedback training protocol can be used to control and improve the efficiency of any treatment by monitoring the reaction of target muscles.

A list of currently installed protocols is located at the end of this document.

System Requirements

- Processor: Intel Pentium® CoreDuo Processor or comparable Centrino/Athlon Processor
- Accelerator Graphics Board with 256 MB RAM
- Hard Drive: 80 GB HDD
- Interface: onboard 2 USB ports and FireWire port
- Windows XP or VISTA
- Microsoft® MGP4 Video Codec V2
- Recommended hardware: Laptops or PCs with multimedia configuration

List of Application Protocols

<p>Symmetry</p> <ul style="list-style-type: none"> • Comparison of affected and unaffected side • For bilateral symmetrical movements • Displays the EMG patterns and histogram statistics • To evaluate innervation differences in left / right comparisons 		
<p>Coordination</p> <ul style="list-style-type: none"> • Coordination analysis of agonist and antagonist muscles • For unilateral single and multi joint movements • Displays the EMG patterns and histogram • To evaluate the neuromuscular coordination 		
<p>Average Activation Patterns</p> <ul style="list-style-type: none"> • Create averaged and time normalized EMG patterns • For repeated movement sequences and exercises • With optional MVC normalization • To analyze the typical innervation structure of movements 		
<p>Feedback Training</p> <ul style="list-style-type: none"> • Bar graph display of signals • With automatic training assistance (acoustic & optical) • With optional MVC normalization and threshold definition • Precise training of dysfunctional muscle groups 		
<p>EMG Standard Analysis</p> <ul style="list-style-type: none"> • Universal protocol for all kinds of EMG setups • Basic amplitude parameters (mean, peak) in selected analysis periods • Creates a standard graph and a histogram graph • Designed for general analysis questions 		
<p>Incontinence Training</p> <ul style="list-style-type: none"> • Shrinking cycle display of signals • With automatic training assistance (acoustic & optical) • Multi Activity Recording with base line, quick flicks, max.-contractions, maximum endurance and rest line test. 		
<p>Template Training</p> <ul style="list-style-type: none"> • Biofeedback training based on background templates • EMG/angle/force using the healthy side as a template • Shows the accuracy of performance in ratio to the template • For various biofeedback and motor learning concepts 	