SIERRA® Summit™

EMG • NCS • EP • ULTRASOUND

EMG & NCS

CADWELL®
Helping you help others

SIERRA® *Summit*™
EMG • NCS • EP • ULTRASOUND

Scalable Hardware and Software

Build the system you need with a variety of stimulators, amplifiers, and test protocols.

- Our most advanced amplifiers offer 1 -12 channels of sophisticated filtering and noise reduction

- Choose from a variety of carts, computers and monitors or provide your own

- Configure a portable Summit system that can be set up for testing in a matter of seconds

Flexible and Familiar Design

- **See it how you want to**: Custom views give you full control of displays, colors, tables and test protocols

- **Hear it how you want to**: Our highest sound quality is achieved with instantaneous signal processing, dual high-quality speakers and full equalizer controls

- **Use it how you want to**: Customize your workflow with user-defined studies and tests that can be adjusted on the fly

Innovative Interface

- **StimTroller Plus™ for NCS:** Perform an entire NCS from the palm of your hand. Control intensity, pulse width, distance, nerve selection, site selection, trace selection and more.

- **StimTroller Plus™ for EMG:** Control gain, sweep, run/stop, playback and volume controls exactly where you need them - right next to your needle.

- **Precise and responsive controls:** Simplified interface with programmable protocol-specific function keys and knobs

The Sierra® Summit™ is designed for the electromyographer who prioritizes reliability and durability. Passion, experience and focus are the building blocks of Cadwell's most advanced and innovative electrodiagnostic system.

REDUCE TESTING TIME

- Perform any NCS using only the StimTroller Plus™ controls
- Reduce interpretation time with real-time comparisons and Tabular Data Summary View
- Eliminate the need to report a summary of findings with auto findings composer with custom phrasing
- Create a personalized report with just a few mouse clicks using QuickReport™ and custom templates

IMPROVE WORKFLOW

- Synchronized Patient Database includes all studies, reports and other associated documentation
- Fail-safe storage and Auto Archiving
- Multiple EMR interface options include auto PDF export, HL7 ADT and ORM orders inbound and results outbound
- User management with user-specific system setup, user roles and single log-in with Active Directory integration

MAXIMIZE CLINICAL INFORMATION

Seamlessly transition from a standard muscle screen to a detailed investigation without adding time or complexity.

- Simple on-screen controls and settings can be changed on the fly
- Simultaneously display data in multiple formats to maximize extraction of clinical information and reduce study time

- Hands-free MUP triggering, Multi-MUP analysis, turns/amplitude analysis, and real-time interference pattern analysis
- Get immediate quantified results compared with published normals

ONE CLICK DISPLAY CHANGE

STREAMLINED PROTOCOLS

Cadwell puts great effort into reducing examination time, minimizing patient discomfort and providing a simple interface. Our latest SFEMG+ protocol gives you hands-free recording, automatic peak detection and triggering, real-time analysis with live results and normative data for standard concentric needles. You can exclude traces and refine your results in seconds.

Request a demo to see how this powerful EMG/NCS system can increase your efficiency, accuracy and specificity.

TEST PROTOCOLS

NERVE CONDUCTION STUDIES

Motor Studies

Sensory Studies

Inching

F-Wave

H-Reflex

Mixed Studies

Repetitive Nerve Stimulation

Blink Reflex (Electric and Manual Stim)

Silent Period

Triple Stimulation

LLR

Near-Nerve Studies

MUNE - MPS/Incremental

Collision Studies*

ELECTROMYOGRAPHY

Routine EMG

Triggered EMG

Multi MUP Analysis

Auto Multi MUP Analysis

Turns v. Amplitude Analysis

Interference Pattern Analysis

SFEMG Stimulated/Volitional*

Macro EMG*

Multi-Channel EMG

Guided Injection Protocols

AUTONOMIC STUDIES

Heart Rate Variability (R-R Interval)

 Valsalva, Deep Breathing, 30:15

Sympathetic/Galvanic Skin Response

EVOKED POTENTIALS

SEPs

Dermatomal SEPs

BAER*

MLR*

LLR*

VEMPs*

ECochG*

P300*

VEP*

ERG*

*Optional upgrade

NOTABLE FEATURES

SOFTWARE

QuickReport™

CadCapture™

Auto Findings Composer

EMG to AVI Converter

EMG Audio Export

DataLAB™

Anatomy View™

ASCII Output Utility

Internal Calibration Signals

CadLink™ Information Management

CadLink™ HL7 EMR Interface

HARDWARE

Dual High-Power Speakers with Equalizer

StimTroller PLUS™ full function remote and stimulator

1-12 Channel Amplifier Options

USB Footswitch

Hardware Diagnostics Suite

Electrode Continuity Check

Advanced Stim/Trigger

Dual Stimulators*

Trigger In x 4, Trigger Out x 4

BASE UNIT

- **Dedicated keypad and knob controls**
- **Integrated stimulators**
- **Trigger in/out for peripheral equipment**
- **Dual high-powered speakers with software equalizer**

AMPLIFIERS

- Montage switching
- RF immunity
- Very low noise
- Impedance
- Power switches
- Calibration signals
- Excellent signal quality
- Temperature measurement
- Electrode cable continuity checking
- Fast artifact recovery
- Internal analog-to-digital conversion
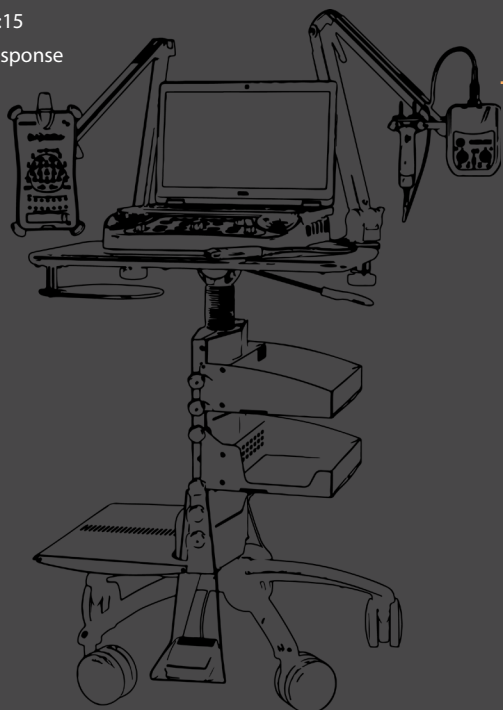
STIMTROLLER PLUS™

- Hand-held control to store traces, adjust intensity, deliver single or multiple stimulations, reverse polarity
- Adjust angle on probes or replace with standard bar or ring electrodes
- Program three buttons: run and stop EMG acquisition, distance entries, adjust EMG gain control, store EMG snapshots, move back and forth in the EMG buffer, playback EMG buffer, test selections, and volume

HARDWARE OPTIONS

- Programmable USB Footswitch
- Second electrical stimulator
- Skin temperature probe
- Reflex hammer
- LED goggles
- Ring/Bar Switchbox
- AEP Stimulator
- VEP Monitor
- Stackable jumper cables
- Trigger In/Out cable (3.5mm stereo to 2x RCA)
- Amp/Stim Switchbox (injection studies)
- Remote Input Box and cable
- Standard laptop PC
- High performance laptop PC
- All-in-One PC
- Small Form Factor PC
- Wireless or USB mouse
- Supplies, accessories and electrodes

CONFIGURATIONS

- Portable system with carry case or wheeled case.
- Point of Care Cart: Accommodates laptop PC. Includes two arm mount brackets, shelf and bin. Options: pullout keyboard shelf, mouse pad holder, foot-switch holder, accessories bag and bins.
- T2 Cart: Accommodates desktop PC, one or two monitors, printer and UPS. Includes two arm brackets, drawer and keyboard shelf. Options: cable holder, accessories bag, camera mount, camera and infrared illuminator.
- Articulating and flexible arms and extra arm brackets are available.

AT YOUR SERVICE & SUPPORT

www.cadwell.support

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