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.

**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
- AEP
- MLR*
- LLR*
- VEMPs*
- ECochG*
- P300*
- VEP*
- ERG*

**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**
- Fuzion Cart: Can accommodate a laptop and printer. Includes two arm mount brackets, shelf and bin. Options: flexible and articulating arms, extra arm brackets, pullout keyboard shelf, mouse pad holder, foot-switch holder, accessories bag, monitor mount, PC shelf, Iso bin and mini shelf.
- EMG Cart: Can accommodate laptop or desktop PC and monitor, printer and isolation transformer. Includes arm bracket, keyboard and storage drawer, top and bottom shelf. Options: articulating arm, rear storage bin, bottle holder, and foot-switch holder.
- Portable system with wheeled carry case.

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