









# **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 highquality 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<sup>™</sup> 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<sup>™</sup> 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.

### **NOTABLE FEATURES**

#### SOFTWARF

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

### 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** 

HR

**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\*

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**

- Point of Care Cart: Can accommodate laptop PC, printer and UPS. 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 and bins.
- T2 Cart: Can accommodate desktop PC, one or two monitors, printer and UPS. Includes two arm brackets, drawer and keyboard shelf. Options: flexible and articulating arms, extra arm brackets, cable holder, accessories bag, camera mount, camera and infrared illuminator.
- Portable system with carry case or wheeled case.

www.cadwell.support

\*Optional upgrade

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