



**EMG** 

**NS-EMG-C-1** delivers high quality EMG signals through advanced hardware, software design and anti-interference data transmission technology.

This device can be used for routine EMG recording, evoked potential (EP), as well as nerve conductive velocity (NCV) diagnostic examination for medical and research institutions.



## **System Key Features:**

- 1. Pre-Amplifier operable with up to 4 EMG channel
- 2. High signal quality with fibre optic isolation, which only transmits optical signal while shielding the signal from power line interference
- Modular design enabling different combinations for different examinations
- 4. Ability to convert EMG format to surface EMG format
- Offering 3 standard EMG modules, 4 EP modules and 8 NCV modules
- 6. Free software update for registered devices

## Software Key Features:

- 1. Easy-to-understand illustrations of electrode placements, stimulation positions and standard waveforms
- 2. Easy access to waveform data comparison
- 3. Ability to replay, review and generate reports for past cases

## **Examination Protocols Features:**

- 1. Quantitative EMG
  - a. Multiple scanned waveforms can be analyzed, replayed and stored automatically
  - b. User friendly interface for ease of data extraction and result
- 2. Evoked Potential (EP)
  - a. Auditory Evoked Potential (AEP): Monaural or binaural stimulation with a selection of signal output
  - b. Visual Evoked Potential (VEP): Monocular or binocular stimulation during interval
  - c. Somatosensory Evoked Potential (SEP): Rapid extraction algorithm, rapid data selection and overlay analysis
  - d. Cognitive Evoked Potential: P300
- 3. Nerve Conduction Studies (NCV)
  - a. Waveform caching function enables saving of multiple waveforms with the same examination point
  - b. Screen display of individual F-Wave, H-Wave and overlay
  - c. Display of latency and amplitude values with measurement lines for easy reference





