

EMG System

NS-EMG-C Serial



Features:

1. Pre-amplifier with connection up to 4 channels.
2. High signal quality with EMG signal shielded from power line interference.
3. Modular design enabling different combinations for different examinations.
4. Ability to convert EMG format to surface EMG format.
5. Offering 3 standard EMG modules, 4 EP modules and 8 NCV modules.
6. One-click function switching between EMG, SCV, RNS and F-wave.
7. Easy access to waveform data comparison.
8. Easy-to-understand illustration for electrode placements, stimulation positions and standard waveforms.
9. Ability to replay, review and print reports for past cases.



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Parameters

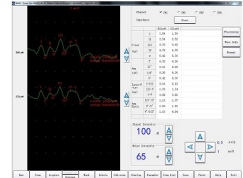
Power supply voltage	AC 230V _± ± 22V
Frequency Range	50/60Hz ± 1Hz
Display Sensitivity	0.05µV / div ~ 20000µV
CMRR	> 110dB
Input impedance	> 1000 MΩ
Sensitivity error	50µV / div, 100µV / div, 200µV / div, 500µV / div, 1000µV / div, 2000µV / div, 5000µV / div, 10000µV / div, 20000µV / div error = ± 10%
Amplitude-frequency characteristics	0.2Hz ~ 10kHz, 0.2Hz ~ ±0.5Hz
Scanning speed measurement error	0.1ms / div-5000ms / div time: error = ± 10%
High Cut	10Hz, 20Hz, 30Hz, 50Hz, 100Hz, 200Hz, 300Hz, 500Hz, 1000Hz, 2000Hz, 3000Hz, 5000Hz, 10000Hz, 20000Hz
Low Cut	0.1Hz, 0.2Hz, 0.3Hz, 0.5Hz, 1Hz, 2Hz, 3Hz, 5Hz, 10Hz, 20Hz, 30Hz, 50Hz, 100Hz, 200Hz, 300Hz, 500Hz, 1000Hz, 2000Hz, 3000Hz, 5000Hz
Noise voltage	< 0.4µV
Resistance polarization voltage	± 300mV DC
Temperature range	-40 ? ~ 40 ?
Humidity range	< 90%
Atmospheric pressure range	960hPa ~ 1060hPa
Auditory evoked potential (AEP)	BAEP, MAEP, LAEP
Cognitive evoked Potential	P300
Somatosensory evoked potential (SEP)	USEP, LESEP, TSEP, SCEP
Visual evoked potential (VEP)	PRVEP, FVEP, EOG, ERG
Nerve Conduction Velocity (NCV) Modules	Blink reflex (BR), F-wave, H-reflex, Motor NCV (MCV), Repetitive nerve stimulation (RNS), Sensory NCV (SCV), Short segment conduction (SSCT), Sympathetic Skin Response (SSR)



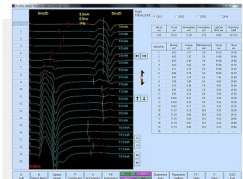
Impedance Test



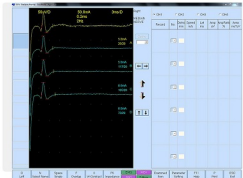
EMG



BAEP



H-Reflex



SCV