

E - Wave™

The E-Wave™ is an easy-to-use NeuroMuscular Electrical Stimulator (NMES) with unique features designed for high performance and a wide variety of options. The E-Wave uses modern state-of-the-art technology to accurately deliver the desired intensity and frequency of electrical current.



The E-Wave™ is one of the safest stimulators in the world with safety features such as electrode alarm, level locking and a guaranteed constant current.

Applications for Use

- Muscle re-education
- Prevention of retardation of disuse atrophy
- Increase local blood circulation
- Increase range of motion
- Relaxation of muscle spasms and edema reduction

ELECTRONIC MUSCLE STIMULATION

New Technology

The E-Wave™ is easy to program with a digital on-screen display. The unit delivers exact amounts of current as indicated by the display screen, with step-by-step options which guide the therapist through the set-up of muscle stimulation protocols. The E-Wave™ comes ready to use in a carrying case complete with lead wires, battery and electrodes. Quality components complete the system. Full documentation in an easy to understand users manual is also provided to make training an easy task. Tests performed under conditions simulating patients loads show the E-Wave retains the therapeutic integrity of the waveform under these extreme conditions. The microprocessor controlled output delivers a powerful yet comfortable stimulation regardless of the mode selected. The integrity of the waveform combined with the power of the unit provides quality contractions of even larger muscle groups with less than the available 100 mA.

SPECIFICATIONS:

Size:	2.5 " x 5.5 " x 1"	On Ramp:	Gradually increases amplitude. Variable from 0.1 to 6 seconds.
Weight:	8 ounces (incl. battery)	Off Ramp:	Gradually decreases amplitude Variable from 0.1 to 6 seconds.
Amplitude:	Adjustable for each channel from 0 to 100 mA (constant current load range 0-500 omhs)	Power Source:	One 9-Volt battery. (Alkaline recommended)
Channels:	Dual channel	Battery Polarity:	Protection circuit secures normal operation regardless of battery polarity (how it is inserted).
Waveforms:	Selectable - Symmetrical Biphasic AC or Pulsed DC	Accessory Input:	Facilitates use with various remote switches.
Pulse Rate:	Adjustable from 4 to 100 Hz	Indicators:	Low battery and electrode alarm. Channel 1 and 2 ON lamps.
Modes:	Select either simultaneous (SIM) stimulation of both channels or alternating, stimulation one channel at a time	Display:	Shows Stimulation Level and Remaining Treatment Time as well as a precise readout of parameters during adjustment and compliance data.
Pulse Duration:	Adjustable from 50 to 300 usec.	On Time:	Adjustable between 0.5 and 30 seconds
Treatment Timer:	Continuous operation or selectable 10-100 minutes in steps of 10 min..	Off Time:	Adjustable between 0.1 and 60 seconds.
Compliance Data:	Readout of "Times Used" and "Minutes Used". Can be reset by professional user.	Constant Stim:	Provided while changing the Stimulation, thus avoiding the need for a separate "Constant Stim button".