

# ALL-STIM2

- ▶ Two channel (4-lead) all digital combo Muscle Stim, Russian Stim, Interferential, and TENS
- ▶ Separate intensity controls for each channel
- ▶ Fully adjustable EMS mode (Synchronous) with programmed default settings
- ▶ Fully adjustable Russian Stim mode with programmed default settings
- ▶ 3 Preset Interferential programs and 1 adjustable frequency program with vector sweep
- ▶ 2 fully adjustable TENS modes (Normal and Modulated Width) Burst mode is preset
- ▶ One program can be locked for each EMS, Interferential, and TENS modes
- ▶ Treatment start/pause button
- ▶ Easy to use and operate
- ▶ Treatment timer (1-60 minutes)
- ▶ Compliance monitor
- ▶ LCD display with push button control panel
- ▶ Safety power on/off switch
- ▶ AC wall adapter or 4 AA battery power supply
- ▶ Heavy duty color-coded cables
- ▶ Durable for clinic or home setting
- ▶ 1 year warranty
- ▶ Available in 4 Channel version: All-Stim
- ▶ Comes with 1 pkg of 4 reusable self-adhering electrodes, 1 pair of 48" 4-lead pin connection wires, 4 AA high-powered Ni-MH rechargeable batteries, 1 each AA battery charger, 4 Alkaline batteries, AC wall adapter, zippered padded carrying fanny pack, and instruction manual



### Technical Specifications

**Channels** Two

**Timer** 1 - 60 minutes with buzzer sound at the end of treatment time

**Compliance Number** Counts the number of times the start/stop key is pressed

**Compliance Timer** Counts the units of total treatment time unit was used. 1 unit = 5 minutes

**Lock Key** Saves the selected treatment parameters and locks out any other input

**Power Supply** AC wall adapter or 4 AA battery power supply

**Size** 10 x 15.8 x 4.45 cm

**Weight** 408 grams, unit only

### Electrical Muscle Stim Specifications:

**Conventional Stim (MS-CONVL)** [Default EMS mode]

**Amplitude** 90 mA peak at 500 ohm load ( $\pm 10\%$ )

**Output Voltage** 45 V peak to peak at 500 ohm load ( $\pm 10\%$ )

**Waveform** Symmetrical biphasic

**Pulse Rate** 1 - 150 Hz [Default 70 Hz]

**Pulse Width** 200 - 450  $\mu\text{S}$  [Default 400 ms]

**Contraction Time** 1 - 60 seconds (+/- 2 sec / 10 sec) [Default 10 sec.]

**Relaxation Time** 0 - 60 seconds (+/- 2 sec / 10 sec) [Default 15 sec.]

**Ramp Up/Down** 1 - 9 seconds (+/- 2 sec / 10 sec) [Default 2 sec.]

### Russian Stim (MS-RUSS) Specifications:

**Amplitude** 90 mA peak at 500 ohm load ( $\pm 10\%$ )

**Output Voltage** 45 Volts peak to peak at 500 ohm load ( $\pm 10\%$ )

**Waveform** Symmetrical biphasic

**Pulse Rate** Channel 1 fixed at 2500 Hz; Channel 2 fixed at 2550 Hz

**Pulse Width** 200  $\mu\text{S}$  fixed

**Contraction Time** 1 - 60 seconds (+/- 2 sec / 10 sec) [Default 10 sec.]

**Relaxation Time** 0 - 60 seconds (+/- 2 sec / 10 sec) [Default 15 sec.]

**Ramp Up/Down** 1 - 9 seconds (+/- 2 sec / 10 sec) [Default 2 sec.]

### Interferential (IFT) Specifications:

**Amplitude** 80 mA peak at 500 ohm load ( $\pm 10\%$ )

**Output Voltage** 40 V peak to peak at 500 ohm load ( $\pm 10\%$ )

**Waveform** True sine wave

**Pulse Width:** 100  $\mu\text{S}$  fixed

**Pulse Rate:** Channel 1 fixed at 5000 Hz; Channel 2 variable 5001 - 5250 Hz

**LOW** [Default IFT mode] Pulse Rate sweeps from 1 - 10 Hz per sec.

**HIGH** Pulse Rate sweeps from 80 - 150 Hz per sec.

**WIDE** Pulse Rate sweeps from 1 - 250 Hz per sec.

**FIXED w/ Vector Sweep** Selectable fixed Pulse Rate from 10-200 Hz in 10 Hz increments. Built-in Vector Sweep provides a "sweeping" effect of the stimulation from Channel 1 to Channel 2 from 100% - 0% stimulation and then from 0% - 100% stimulation in a period of 22 seconds

### TENS (TNS) Specifications:

**Amplitude** 90 mA peak at 500 ohm load ( $\pm 10\%$ )

**Output Voltage** 45 V peak to peak at 500 ohm load ( $\pm 10\%$ )

**Waveform** Symmetrical biphasic

**Conventional TNS** [Default TENS mode] Pulse Width: Adjustable 50 - 250  $\mu\text{S}$  [Default 250 ms]; Pulse Rate: Adjustable 1 - 150 Hz [Default 70 Hz]

**Burst TNS** Pulse Width: 250  $\mu\text{S}$  fixed; Pulse Rate: 50 Hz with bursts of 7 pulses per second followed by 2-second rest

**Modulation TNS** Pulse Width: Modulates between 100 - 200  $\mu\text{S}$  over a 2 sec. time period; Pulse Rate: Adjustable 1 - 150 Hz [Default 150 Hz]



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