

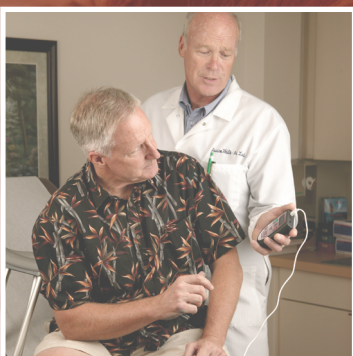
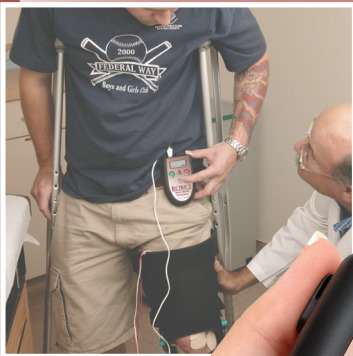
# LECTRA+4

## Four Channel All-Digital Combination Stimulator

Interferential • Muscle Stim  
Russian Stim • Sequential



- ▶ 23 preset treatment protocols (11 Interferential, 4 Muscle Stim, 2 Russian Stim, 6 Sequential stim)
- ▶ Sequential protocols for Interferential/Muscle Stim combination therapies
- ▶ Wide range of most commonly prescribed protocols
- ▶ Treatment pause/resume feature
- ▶ Individual or paired channel intensity control
- ▶ 3 built-in language selection (English, Spanish, French)
- ▶ Prescribed treatment protocol lock feature
- ▶ Maximum amplitude limiter
- ▶ AC wall adapter or 2 AA battery power supply
- ▶ Compliance monitor
  - ▶ Preset timed treatments with countdown display
  - ▶ Removable plastic belt clip
  - ▶ 1 year warranty
  - ▶ Custom programming available for large quantities



Also available in  
2 channel version:

**Lectra+2A**



Comes with 2 pkgs of 4 reusable self-adhering electrodes, 2 pairs of 48" 4-lead pin connection wires, 4 AA high-powered Ni-MH rechargeable batteries, 1 each AA battery charger, AC wall adapter, carrying case, and instruction manual

## Technical Specifications

**Channel** Four independent channels

**Amplitude** 0 - 50 mA peak / 0 - 100 mA peak to peak

**Output Voltage** 25 V peak / 0 - 50 V peak-to-peak, adjustable in 1/10th volt increments

**Waveform** Symmetrical biphasic square wave with zero net DC component

**Therapy Output Modes** True Interferential and Conventional Muscle Stimulation

**Preset Therapy Programs** 23 Choices (11 Interferential, 12 Muscle Stim, 6 Sequential Stim)

**Carrier Frequency** 4000 Hz

**Interference Frequency (IF)** 4001 Hz to 4150 Hz adjustable in 1 Hz increments

**Net Therapeutic Frequency** 1 - 150 Hz - verifiable

**Pulse Width** 125 µS each phase

**Power Supply** 4 AA rechargeable Ni-MH batteries—batteries, charger, and AC wall adapter included

**Compliance Timer** Records sessions (0 - 999) and hours of usage (0 - 999)

**Size** 8.1 x 12.2 x 2.7 cm

**Weight** 176 grams including batteries

Also available in 5 protocol version:

**Lectra+4B #LECTRA4B** 4-channel

**Lectra+2B #LECTRA2B** 2-channel

## Lectra+4A & Lectra+2A Therapy Protocols

Protocol & Number	Function / Mode	Base & High Frequencies	Sweep or Dwell Time (seconds)	Therapy Time (minutes)
<b>Interferential Stimulation (IF)—For increasing circulation or reducing edema, &amp; managing pain</b>				
<i>Abrupt shift (designed to provide edema reduction or increased circulation)</i>				
Prot. # 1 ABR. 2 2	IF Abrupt	1 Hz—10 Hz	2 sec.	30 min.
Prot. # 2 ABR. 6 6	IF Abrupt	1 Hz—20 Hz	6 sec.	30 min.
Prot. # 3 ABR. 9 9	IF Abrupt	1 Hz—30 Hz	9 sec.	30 min.
<i>Ramped Shift (typically used for edema reduction and/or pain management)</i>				
Prot. #4 RAMP LOW	IF Sweep	1 Hz—30 Hz	6 sec.	30 min.
Prot. #5 RAMP HI	IF Sweep	80 Hz—150 Hz	15 sec.	30 min.
<i>Full Sweep (designed to provide a full sweep of frequencies for chronic pain management)</i>				
Prot. #6 FSWP 6s	IF Sweep	1 Hz—150 Hz	6 sec.	30 min.
Prot. #7 FSWP 15s	IF Sweep	1 Hz—150 Hz	15 sec.	30 min.
<i>Dual Therapy (designed to provide edema reduction and pain management—2 session treatment)</i>				
Prot. #8 DUAL LOW (1)	IF Abrupt	1 Hz—6 Hz	6 sec.	15 min., then
(2)	IF Sweep	80 Hz—150 Hz	6 sec.	15 min.
Prot. #9 DUAL MED (1)	IF Abrupt	1 Hz—10 Hz	6 sec.	15 min., then
(2)	IF Sweep	80 Hz—150 Hz	6 sec.	15 min.
Prot. #10 DUAL HI (1)	IF Abrupt	10 Hz—20 Hz	6 sec.	15 min., then
(2)	IF Sweep	100 Hz—150 Hz	6 sec.	15 min.
<b>Neuromuscular Stimulation (NMS)—For muscle rehab/strengthening and treating muscle spasms</b>				
Prot. #11 NMS 3/3	NMS	50 Hz	3 sec. On / 3 sec. Off	20 min.
Prot. #12 NMS 3/6	NMS	50 Hz	3 sec. On / 6 sec. Off	20 min.
Prot. #13 NMS 6/6	NMS	50 Hz	6 sec. On / 6 sec. Off	20 min.
Prot. #14 NMS 5/10	NMS	50 Hz	5 sec. On / 10 sec. Off	20 min.
<b>Continuous Stimulation—For pain management—TENS effect</b>				
Prot. #15 CONTINUOUS	Constant Frequency	Selectable 1—150Hz	Constant	30 min.
<b>Russian Stimulation—For muscle rehab/strengthening</b>				
Prot. #16 RUSS. LOW	NMS	1000 Hz	10 sec. On / 50 sec. Off	10 min.
Prot. #17 RUSS. HIGH	NMS	2500 Hz	10 sec. On / 50 sec. Off	10 min.
<b>Sequential Stimulation—Combines Muscle Stim and Interferential therapies—2 session treatment</b>				
<i>Note: Amplitude drops by 50% after first session and must be readjusted by patient or clinician</i>				
Prot. #18 SEQ. 3/3 (1)	NMS	50 Hz	3 sec. On / 3 sec. Off	15 min., then
(2)	IF Sweep	80 Hz—150 Hz	10 sec.	15 min.
Prot. #19 SEQ. 6/6 (1)	NMS	50 Hz	6 sec. On / 6 sec. Off	15 min., then
(2)	IF Sweep	80 Hz—150 Hz	12 sec.	15 min.
Prot. #20 SEQ. 5/10 (1)	NMS	50Hz	5 sec. On / 10 sec. Off	15 min., then
(2)	IF Sweep	80 Hz—150 Hz	15 sec.	15 min.
Prot. #21 SEQR. 3/3 (1)	IF Sweep	80 Hz—150 Hz	10 sec.	15 min., then
(2)	NMS	50Hz	3 sec. On / 3 sec. Off	15 min.
Prot. #22 SEQR. 6/6 (1)	IF Sweep	80 Hz—150 Hz	12 sec.	15 min., then
(2)	NMS	50Hz	6 sec. On / 6 sec. Off	15 min.
Prot. #23 SEQR. 5/10 (1)	IF Sweep	80 Hz—150 Hz	15 sec.	15 min., then
(2)	NMS	50Hz	5 sec. On / 10 sec. Off	15 min.

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