

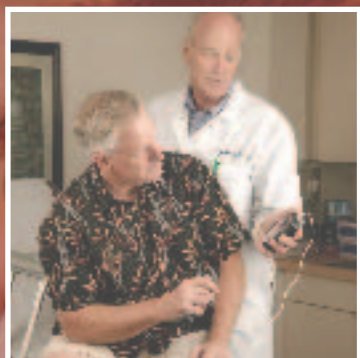
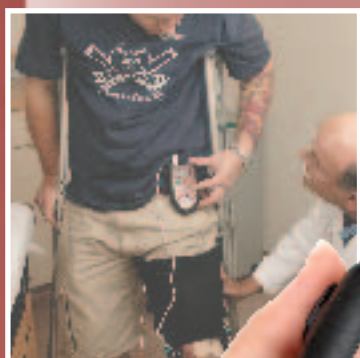
LECTRA+4

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 #LECTRA2A



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

Lectra+4A & Lectra+2A Therapy Protocols

Protocol & Number	Function / Mode	Base & High Frequencies	Sweep or Dwell Time (seconds)	Therapy Time (minutes)
Interferential Stimulation (IF)—For increasing circulation or reducing edema, & managing pain				
<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.
Neuromuscular Stimulation (NMS)—For muscle rehab/strengthening and treating muscle spasms				
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.
Continuous Stimulation—For pain management—TENS effect				
Prot. #15 CONTINUOUS	Constant Frequency	Selectable 1—150Hz	Constant	30 min.
Russian Stimulation—For muscle rehab/strengthening				
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.
Sequential Stimulation—Combines Muscle Stim and Interferential therapies—2 session treatment				
<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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