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Electrotherapy Equipment and Supplies

# PREMIER EMS Plus *with 12 Preset EMS Programs*

Built-in Presets for Quick & Easy Set-Up • Safe User-Friendly Features  
AC Adapter or 9V Battery Power

## Premier Features

- Dual channel (4-lead) Digital EMS Neuro-Muscular Stimulator
- Fully digital with micro-processor circuitry and controls
- 3 EMS Adjustable Modes (Constant, Synchronous, Alternating)
- 12 Preset EMS Programs for quick set-up and ease of use
- Large, easy-to-read LCD display that shows all parameters
- Parameter Lock button to prevent accidental changes to settings
- Treatment Pause button to pause and resume treatment at any time
- Treatment Timer 5 - 60 minutes, or Continuous operation
- Treatment Countdown display with Automatic Shut-Off
- Compliance Monitor records up to 999 hours of usage
- AC Adaptor (included) or 9V battery power supply
- Low-battery indicator display
- Sturdy all-metal belt clip
- 3-year warranty
- Comes with 1 pkg of 4 reusable self-adhering electrodes, 1 set 43" pin leadwires, 1 each 9V heavy duty battery, AC Adaptor, carrying case, and instruction manual



## Technical Specifications

- **Channels:** Dual, isolated between channels
- **Wave Form:** Asymmetrical Biphasic Square Pulse
- **Amplitude:** 0-100 mA (peak to peak into 500 ohm load each channel)
- **Output Voltage:** 0 to 50V (500 ohm load)
- **Modes:** 3 EMS Modes: C (Constant), S (Synchronous), A (Alternating)  
12 EMS Preset Programs P1-12 (see Programs Chart on back)
- **Pulse Rate (Frequency):** 2 - 150 Hz, 1 Hz/step
- **Pulse Width (Duration):** 50 - 300 microseconds ( $\mu$ s), 10  $\mu$ s/step (P10 fixed at 400  $\mu$ s)
- **Contraction (On) Time:** 2 - 90 seconds, 1 sec/step
- **Relaxation (Off) Time:** 2 - 90 seconds, 1 sec/step
- **Ramp Up/Down Time:** 1 - 8 seconds, 1 sec/step (The "On" time will increase and decrease in the setting value)
- **Treatment Timer:** 5 - 60 minutes or Continuous (C), 5 min/step
- **Compliance Usage Meter:** Records up to 60 sessions, up to 999 hours
- **Low Battery Indicator:** Battery symbol appears when battery power is low
- **Parameter Lock Button:** Locks in the parameters to prevent changes to settings
- **Power Supply:** One 9 Volt Battery or AC adapter
- **Size:** 4.65"(L) x 2.36"(W) x 1.22"(D)
- **Weight:** 157 grams with battery

## Preset Programs of EMS (P1 - P12)

Program #		SYN/ALT	Pulse Rate (Hz)	Pulse Width (µs)	ON TIME (sec.)	OFF TIME (sec.)	Ramp (sec.)	TIME (sec.)
1	ACL repair/joint protection back muscle	SYNCHRONOUS	35	300	8	24	3	20
2	Spasm small muscle	SYNCHRONOUS	80	300	10	5	3	20
3	Spasm Postoperative	SYNCHRONOUS	80	250	8	4	2	20
4	Arthroscopy	SYNCHRONOUS	25	200	6	30	2	15
5	Disuse Atrophy	SYNCHRONOUS	35	300	5	15	2	30
6	Shoulder Subluxation	SYNCHRONOUS	50	300	15	50	5	15
7	Range of motion muscle re-education of hips	SYNCHRONOUS	40	250	3	21	3	30
8	Muscle Training	SYNCHRONOUS	50	250	10	10	2	20
9	Muscle Training	SYNCHRONOUS	50	250	14	14	2	20
10	Muscle Training	SYNCHRONOUS	35	400	10	10	2	20
11	Muscle Training	ALTERNATING	50	250	10	10	2	20
12	Muscle Training	ALTERNATING	50	250	14	14	2	20



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