

# EMS<sup>®</sup> 2000

Lightweight Analog Muscle Stimulator



**BioMEDICAL**  
LIFE • SYSTEMS

**Therapy Solutions**  
since 1984

"Live and Enjoy Life Pain Free"



# EMS® 2000



## SPECIAL FEATURES

- Three modes of operation
- Fully adjustable settings
- Pulse Width 300  $\mu$ S
- Compact design
- Belt clip for portability
- HCPCS E0745

## PACKAGE INCLUDES

- |                     |                         |
|---------------------|-------------------------|
| 1 EMS® 2000         | 1 9V alkaline batteries |
| 4 2"x 2" electrodes | 1 Instruction manual    |
| 2 BMLS® lead wires  | 1 Carrying pouch        |

## GENERAL SPECIFICATIONS

SIZE:	3.9" x 2.75" x 1"
WEIGHT:	4.6 oz.
POWER:	9V Battery, E-block, type 6F22
CHANNELS:	Dual (CH1 & CH2)
WAVEFORM:	Symmetrical, biphasic square-wave
PULSE RATE:	1 - 80 Hz (hertz) adjustable
PULSE WIDTH:	300 $\mu$ S (microseconds) fixed
INTENSITY:	0- 98 mA peak to peak
OUTPUT:	Constant current
MODES:	<p><b>CONSTANT:</b> Deliver the set pulse rate and width in a steady current to all channels.</p> <p><b>CYCLED:</b> Deliver the set pulse rate and width in repeating cycles to all channels simultaneously.</p> <p><b>RECIPROCAL:</b> Delivers the set pulse rate and width in repeating cycles. In this mode cycles alternate between channels.</p>
TIMER:	Continuous, 15, 30, 60 minutes
TOLERANCES:	+/- 10%

The EMS® 2000 is a dual-channel analog EMS (Electrical Muscle Stimulator) device with 3 modes of stimulation: constant, cycled, and reciprocating. Aids to increase your range of motion, reduce muscle atrophy, re-educate muscle, and prevent venous thrombosis while improving blood circulation.

When you exercise or participate in strenuous activities, your muscles work hard increasing blood flow to your muscles. Many times producing a waste product called "lactic acid." It's a metabolic byproduct that makes no contribution to performance. It causes muscle fatigue and post muscle soreness. Various studies found that lactic acid also impaired strength and contraction velocity.

Based off these early findings, many researchers evaluated post workout recovery modalities on their ability to remove lactate from muscle tissue. There are several methods to do this, one of which is the use of a muscle stimulator like EMS® 2000. When resting or relaxed, using an EMS device to maintain this increased flow of blood to your muscles will help with muscle rejuvenation and reduces lactic acid build up so you can recover better.

This device comes with everything needed to manage your therapy sessions and includes our proprietary touch proof designed lead wires only available with BMLS® (BioMedical Life Systems) devices.

Data recorded across a 500 OHM load resistance



Electro-Medical  
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Cage Code 3R8H6

