

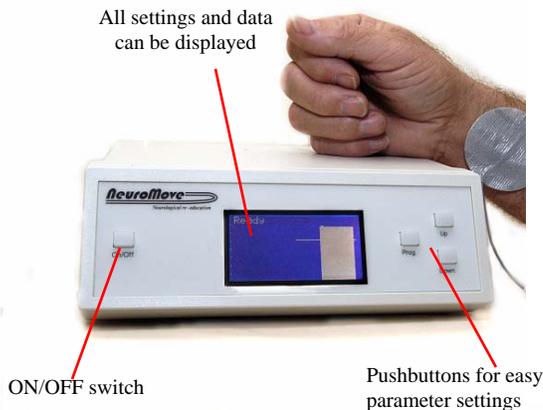
# NeuroMove NM900 <sup>TM</sup>

Imagination is behind the NM900. The NeuroMove uses the patients powers of concentration and imagination to help relearn muscle movements which have been lost.

The NM900 uses 3 sensors. Once in place, the electrodes detect electrical signals sent from the brain to nerves inside the muscle. This electrical activity registers on the NeuroMove's display screen and the less activity there is in a muscle, the harder it is to move that muscle.

Increasing the electrical activity requires reteaching the brain to send messages to the affected muscle. This is where imagination and concentration help out. By simply thinking about moving a muscle, a person raises the electrical activity present in that muscle.

The computer inside the NM900 evaluates the amount of activity present in the muscle, then sets a higher standard that the patient should try to reach as he or she concentrates. If the patient reaches this mark (threshold) he or she is rewarded with an electrical impulse that makes the muscle move for a few seconds. Success is measured in the actual movement of a hand, arm, etc. and gives the patient greater control over his/her extremity.



## Stroke & Spinal Cord Injury Rehabilitation

### NM900 Product Features

#### Safety:

Sensor alarm, electronic timer lock of level. All functions are checked for errors before any treatment begins

#### Modes:

Stroke Rehab, Spinal Cord Injury, or Manual

#### Sensors: 3

#### Display:

With instructions, 60 seconds history graph of EMG-attempts as well as base EMG and threshold

#### Memory:

Internal memory records relevant statistics which allow the physician to review the session history

### Specifications

EMG sensitivity:	0.2-2000 $\mu$ Vpeak
Output Current:	0-100 mA into 1K ohm
Pulse width	100-400 $\mu$ sec.
Frequency:	10-100 Hz
Time on:	2-20 sec.
Time off:	2-50 sec.
Ramp-up and down:	0.5-10 sec.
Waveform:	Biphasic.
Size:	6.7 x 4.1 x 2.5 inch.
Weight:	17 oz.
Accessories:	3 Surface Sensors AC adapter

## Stroke Recovery Systems