



# The TENS Experts!

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**\*RETAIL\***

## Introducing the Truly Revolutionary

### **“Phase-5-Combo”**

All the capabilities of higher-end **TENS** and **NMES** equipment in a single unit. This device features precise digital accuracy and control using a large easy-to-read LCD screen and intuitive push button controls, easy for clinicians and clients alike.

Instead of the being confined with just the traditional “On-Off” settings for **EMS** you can build in a “warm-up” phase, a “cool-down” session and maybe even a TENS segment to make the therapy session much more effective and comfortable. You can link up to 5 such phases together to make your own specialized program – You are totally in control!

Many clinicians prefer using low-frequency **TENS** for the long lasting effects but some home-use clients find the required higher intensities quite uncomfortable. If you could precede the *Lo-Rate* session with a *Hi-Rate* one it would generate better comfort and give more immediate onset of the desired pain relief. You could even add more of a “random stim” phase to the program to avoid any accommodation issues – You are totally in control!



#### Phase-5-Combo Kit

Retail package contains the device, cables, operating manual, 9V alkaline battery, 1x set/4 each of small & large pre-gelled electrodes and carrying case.

**\* Special Pricing  
@ \$259.00 \***

*\*Repair-Replacement Warranty = 1 Year*

*(Featured Product from Canadian Medical Products Inc.)*

**Continued for those who want to know all the technical details.....**

**General Specifications: Range of adjustment for individual parameters is dependent on which specific program is chosen.**

Waveform:	Asymmetrical, rectangular, bi-phasic (zero DC current)
Intensity (each channel):	0 - 80 mA
Pulse Width (adjustable):	50 - 450 u/Sec
Pulse Rate (adjustable):	1 - 150 Hz
Modes (easy selection):	Selectable by Program Number 1-19
Treatment Timer:	1 minute to 9.h 59.min

**Selectable Frequency and Pulse Width settings:**

- > Continuous mode 1-150 Hz and 50-350 u/Sec
- > Burst mode 35-150 Hz and 50-200 u/Sec
- > Modulated mode 1-150 Hz and 50-350 u/Sec
- > Work/Rest mode 1-100 Hz and 50-450 u/Sec

Note: If frequency >100 Hz in Work/Rest mode, pulse width is limited to 350 u/Sec

**TENS Pre-Programming:**

- > P01 – P04 are Multi-Mode (including “Han” #P04)\*
- > P05 – P08 are Conventional
- > P09 – Conventional/Burst combination

\*Further explanation of the “Han” output program for TENS:

This is a unique program alternating between continuous and burst promoting the simultaneous release of 3 types of opiates. Based on findings from Dr. Ji Sheng Han at the Neuroscience Research Institute, Beijing Medical University in Beijing China -- Extensive research into electro-acupuncture and the role of endogenous opioid peptides in pain control found the following: LOW frequency stimulation accelerates the release of two opiates in the brain to manage pain. Slightly HIGHER frequencies accelerate the release of a third opiate in the spinal cord effectively reducing muscle spasm. Dr. Han found the best parameters for pain and spasm reduction is a precisely controlled sequence of “Dense-and-Disperse” (DD) modes of stimulation where 2 Hz is alternating with 15 or 70 Hz each lasting for 3 seconds. Under these Han parameters all three types of opioid peptides are released simultaneously.

**NMES Pre-Programming:**

- > P10 – P13 are common Warm-Up, Endurance and Strengthening programs
- > P14 – P15 are 5-phased programs for Resistance and Toning
- > P16 is a “calming” 3-phase program for muscle relaxation

**Setting Custom Programs:**

- > P17 – P19 are open for setting up any special programs for clinic or home use treatments. They can be programmed for any number of phases (1-5) and include any combination of TENS or NMES parameters.

*\*Although the output parameters in the pre-programmed regimens are fixed, in the single-phase programs the treatment times can be altered and saved as preferred.*

*\* Any selected program (pre-set or custom) may be “locked” by the user to prevent anyone else tampering with the chosen settings. You can also access a readout of total treatment time and number of sessions completed in order to assess the efficacy of the prescribed treatment regimen.*