

# ADVANCED 2 CHANNEL TENS THERAPY



## INSTRUCTION MANUAL

**Sun Medisys Inc.**

An ISO 9001:2015 Certified Company

An ISO 13985:2012 Certified Products

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# SUNMEDISYS INC.



Welcome to the Sun Medisys Family.

Thank you for trusting Sun Medisys Inc. and considering us.

CONGRATULATIONS for purchasing our next generation Computerized TENS Unit. It provides effective management for most of the nerve stimulating conditions.

We understand what it takes to get this, and certainly there must have been lots of planning and research involved before the purchase.

SunMedisys Inc., an independent family run business, started its operation way back in 2000.

With great integrity, high ethical values, stringent quality control, backed up by highly motivated employee force with tremendous efforts and disciplined activity business; we are a registered ISO 9001:2015 manufacturer.

We reassure you that what you have chosen is right.

Thanks

To know more, log on to:  
[www.sunmedisys.com](http://www.sunmedisys.com)



# INTRODUCTION

Congratulations for purchasing our next generation **ADVANCED TENS Therapy Unit**, designed to suit almost every clinical application to provides effective management for most of the musculo-skeletal painful/inflammatory conditions including degenerative pathologies.

The unit comprises of digital pulses generator with versatile parameter settings suitable for almost every clinical applications, its integrated digital cut-off timer adds to precision and convenience of treatments. This unit is suitable for both stationary clinical and mobile purposes. The unit comes with all necessary accessories for therapeutic application. Its user-friendly features are so set that they offer best of the treatment parameters in its class. The unit comes with our traditional assurance of quality and safety standards.

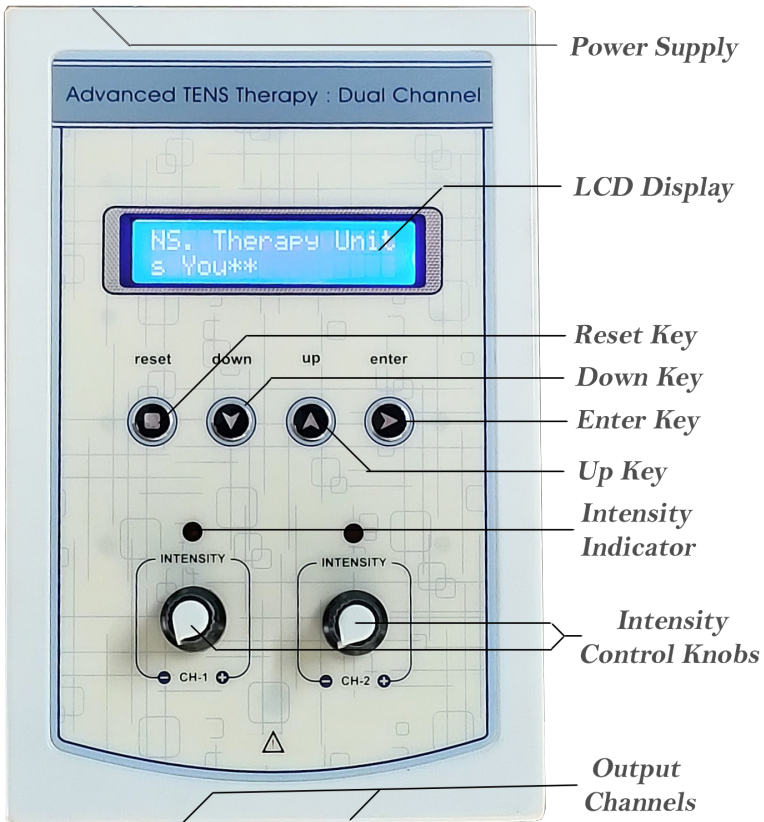
# SALIENT FEATURES

- Two independent output channels with indicator
- 0-80 mA pulse Amplitude on each channel
- Various modes of TENS current to tackle many conditions
- 60 Minutes timer which can be varied within the interface
- LCD display for easy to understand interface
- Audio buzzer at end of treatment & for safety output control
- Light weight for Portability
- Especially made for personal use

# INDICATIONS

Indications for low frequency stimulator include the following:

- Arthritic Pain
- Muscle Stimulation
- Increased Blood Flow
- Reduction Of Edema
- Healing and Repair
- Placebo
- SDC and other Testing
- Sciatica
- Neurogenic Pain
- Degenerative Joints
- Atrophy
- Denervation
- Edema



# DESCRIPTION OF SWITCHES

The unit comes with user friendly features that ensure precised parameters setting and maximum therapeutic benefits. The control panel of the unit is equipped with:

1. Mains Socket - On back panel of the Unit. It connects the unit to mains supply.
2. Mains Switch - On back panel of the Unit. Makes and breaks mains connection to the unit. This switch also functions as circuit breaker in case of overload.
3. LCD Display - Sets the parameters like Treatment time and The desired program using the up/down keys. enter is pressed to confirm the parameter and reset is used to return to the main screen.
4. Intensity Control - It raises the output from nil to maximum intensity i.e. 0-80 mAmp.
5. Audio Buzzer - Alarms completion of treatment.

# PROGRAM LIST

- |                     |                       |
|---------------------|-----------------------|
| 1) Burst - 100 Hz   | 7) Constant - 80 Hz   |
| 2) Burst - 200 Hz   | 8) Constant - 100 Hz  |
| 3) Constant - 2 Hz  | 9) Constant - 120 Hz  |
| 4) Constant - 4 hz  | 10) Constant - 150 Hz |
| 5) Constant - 20 Hz | 11) Surge - 100 Hz    |
| 6) Constant - 40 Hz | 12) Surge - 200 Hz    |

# STANDARD ACCESSORIES

- Rubber OR Self Adhesive Electrodes : 04 Nos.
- Electrode's Lead : 02 Nos.
- Velcro Fixation straps : 01 set
- Mains Lead : 01 No.
- User's Manual : 01 No.

# PRECAUTIONS

- The Unit must grounded during application.
- Do not use this unit near to other high frequency/electromagnetic device.
- If there is abnormal skin sensation, electrodes should be positioned in a site other than that area to ensure effective stimulation.
- Patients who have abnormal circulation.
- For patients who have febrile conditions, the outcome of the first treatment should be monitored.
- Patients who have epilepsy, advanced cardiovascular conditions or cardiac arrhythmias should be treated at the discretion physiotherapist in consultation with the appropriate medical practitioner.
- Only the supplied / recommended accessory must be used with unit.
- Do not apply this unit in conditions of pregnancy.
- Keep the electrodes separate during the treatment.

# WARNING

- Before using the equipments, the user should read carefully the instructions contained in this manual.
- Before treating a patient, the user should familiarize himself with the operating modes and have clear knowledge of indications & contraindications for the use of apparatus.
- Please insure this manual is readily available at all times to the personnel authorized to use the apparatus.
- For safety purpose, the power cord has been fitted with an earthed plug.
- The unit must be connected to approved power supply system.
- Do not use the apparatus close to SWD or MWD devices, may cause instability in output and functioning in program.
- Never leave the patient unattended during the treatment.
- The apparatus may not be used in so called “wet rooms”(hydro therapy rooms).
- SunMedisys will not be responsible for Therapy Effects resulting from an improper use of the apparatus.

Power Source	90v to 240v AC 50/60 Hz, SMPS Supply
No. Of Channels	Two independent output
Waveform	Biphasic rectangular balanced wave
No. of Programs	12
Pulse Amplitude	0-80 mA/channel
Pulse Width	150 us
Timer	0-60 sec
Dimensions	12 x 18.5 x 6 cm (LxBxH)
Weight	1.120 kg/unit

# WARRANTEE CERTIFICATE

Customer Name: \_\_\_\_\_

Address: \_\_\_\_\_

Equipment Name: \_\_\_\_\_

Serial No.: \_\_\_\_\_

Warranty Form: \_\_\_\_\_ To \_\_\_\_\_

- The Instrument is warrantee by the manufacturer for one year from The date of purchase and during this period, the defective parts shall be replaced or repaired, free of charges, If it is due to faulty material or workmanship, subject to the following Terms and Conditions.
- The Instrument should be used properly in accordance with the instructions as given in the instruction manual.
- The warranty does not cover the Instrument attended by others excepting our authorised service centre / dealer.
- Replacement of parts made of Rubber Electrodes, Laser Probe, Laser Diode, enclosure and carry bag are not covered within this Warranty.
- The cost incurred bringing the machine to our dealers premises or service centre and back are to borne by the customer.
- The Warranty does not cover the Instrument operated outside the range of stipulated Electric Supply i.e. below 198 volts and above 242 Volts.
- The decision of the manufacturer is final in all cases of warranty claims.

HERE CERTIFIED

Your's Truly

Sun Medisys Inc.