

INSTRUCTION MANUAL

ADVANCED TENS THERAPY UNIT

Model- dynopulse- Digital



Read these instructions carefully before using your TENS Therapy Unit- dynopulse and keep it carefully for future reference.

Visit us at www.sunmedisys.com to see more of our products

Sun Medisys Inc.

An ISO 9001:2015 Certified Company

An ISO 13985:2012 Certified Products

17, Pocket-10, Sector-21,
Rohini, New Delhi-110086 (INDIA)

Email: sunmedisys@gmail.com

www.sunmedisys.com

Whatsapp : +91 9811567982

Mobile: +91 9810967982



Welcome to the Sun Medisys Family.

Thank you for trusting SunMedisys 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.



Sun Medisys Inc., a 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



INTRODUCTION

Congratulations for purchasing our next generation Computerized TENS Therapy Unit, designed to suit almost every clinical application to provides effective management for most of the musculoskeletal 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

- Four independent output channels with indicator
- 0-80 mA pulse Amplitude on each channel
- 60 Minutes digital timer with start/pause key
- LED display for pulse mode & pulse frequency
- In use indicator
- Audio buzzer at end of treatment & for safety output control
- Light weight for carrying purpose
-

STANDARD ACCESSORIES

- | | |
|--|---------|
| • Rubber Electrodes - | 08 Nos. |
| • Electrode's Lead - | 04 Nos. |
| • Velcro Fixation straps - | 02 set |
| • Mains Lead - | 01 No. |
| • User's Manual - | 01 No. |
| • Extra fuse (available with in the AC Socket) - | 01 No. |

FREQUENCIES AND MODES

FREQUENCY

2 Hz
20 Hz
40 Hz
80 Hz
120 Hz
150 Hz

MODES

Continuous
Burst
Pulse
Surge
Sweep
Random

INDICATIONS

Indications for low frequency stimulator include the following:

- Arthritic Pain
- Neurogenic Pain
- Degenerative Joints
- Atrophy
- Denervation
- Edema
- SDC and other Testing
- Sciatica
- Muscle stimulation
- Increased blood flow
- Reduction of edema
- Healing and repair
- Placebo

METHOD OF APPLICATION

1. Position the unit in a safe and convenient manner.
 2. Fix the suitable electrode on to the treatment area.
 3. Connect the mains Cord to source and turn it 'ON'.
 4. Select the output pulse mode.
 5. Select the frequency.
 6. Select Treatment time by pressing +/- keys.
 7. Press start to commence the treatment.
 8. Gradually increase the intensity to the prescribed / desired level.
 9. After the completion of set treatment time, the unit will automatically put the intensity OFF along with a audio buzzer.
 10. Put the intensity knob to the ZERO.
 11. Switch the mains supply OFF.
 12. Remove the electrodes and save them safety.
- In case the treatment needs to be terminated before the prescribed time press 'stop' button.

CONTROLS AND DISPLAY



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:

Mains Socket - On back panel of the Unit. It connects the unit to mains supply.

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.

Frequency & Mode Selection - Sets the output in CONT., BURST, PWM-C, PWM-I, SURGE & SWEEP.

Intensity Control - It raises the output from nil to maximum intensity i.e. 0-80 mAmp.

Timer KEYS - Treatment time to Set Automatic shut-off power after the set time between 0-60 minutes.

Audio Buzzer - Alarms completion of treatment time.

Digital Display - Indicates Modes/ Parameters of output and treatment time left.

PRECAUTIONS

- The Unit must grounded during application.
- Do not use this unit near other high frequency/electromagnetic device.
- If there is abnormal skin sensation, electrodes should be positioned in a site other than this area to ensure effective stimulation
- 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 of the 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.

CONTRAINDICATIONS

- Patients who do not comprehend the physiotherapist's instructions or are unable to cooperate should not be treated.
- Patients who are taking anticoagulation therapy or have a history of pulmonary embolism or deep vein thrombosis should not be treated with the vacuum electrode applications.
- Similarly, Patients whose skin may be easily damaged or bruised or ischemic / anesthetic.
- Applications over :
 - The trunk or pelvis during pregnancy
 - Active or suspected malignancy
 - The eyes
 - The anterior aspect of the neck
 - The carotid sinuses (stimulation in this area may cause a drop in blood pressure)
 - Patients with pacemakers
 - Dermatological conditions e.g. dermatitis, broken skin
 - Danger of haemorrhage or current tissue bleeding (e.g. recent soft tissue injury)
 - Avoid active epiphyseal regions in children.

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.
- **ONLY USE AN EARTHED POWER SUPPLY SOCKET.**
- 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.

TECHNICAL SPECIFICATIONS

sun medTM
Advanced Therapy System
ISO 9001 : 2015 ISO 13485 : 2012

Power Source	90 to 240 v AC 50/60Hz, SMPS supply
Fuse	1 AMP
Channel	Four independent output
Wave Form	Biphasic Rectangular Balanced Wave
Pulse Frequency	2Hz, 20Hz, 40Hz, 80Hz, 120Hz, 150Hz
Pulse Mode	Continuous, Burst, PWM-C (Pulse width Modulation-Continuous), PWM- I (Pulse width Modulation-Intermittent), Surge, Sweep
Pulse Amplitude	0 - 80 mA/Channel
Pulse width	150 us (except PWM-C & PWM-I Mode)
Timer	0 - 60 min
Dimensions	230x240x75 (LXBXH)(MM)
Weight	3 Kg./unit

WARRANTY 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

For Sun Medisys Inc.

OUR OTHER PRODUCTS



2 Ch. TENS



4 Ch. TENS



4 Ch. TENS LCD



4 Ch. TENS LCD
with battery backup



Interferential Therapy



LASER Therapy



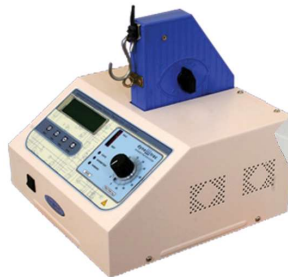
Longwave Therapy



Nerve Muscle
Stimulator



Traction Therapy



Traction Therapy
LCD



Ultrasound Therapy



Ultrasound Therapy
LCD

For More Information, Visit us at www.sunmedisys.com, you can write any queries there or directly buy from us.

You can get in touch with us through

EMAIL : sunmedisys@gmail.com

Whatsapp : +91 9811567982

Mobile: +91 9810967982