



NEUROCARE™

MODEL: NC10004PXP

“THE THERAPEUTIC ELECTRICAL STIMULATOR”

The **NeuroCare NC10004PXP** provides an effective treatment for problems ranging from acute soft tissue injury to restricted circulation. By therapeutically removing the problem, the accompanying symptom of pain is reduced. NeuroCare’s AC Output, high voltage (0-440 volts) low amperage (0-4.4 milliamps) design allows a more therapeutic treatment program and generates improved patient outcomes far beyond any other system.

FDA registered uses: 1) Increase Local Circulation; 2) Muscle re-education; 3) Relaxation of muscle spasms; 4) Maintaining or increasing Range of Motion; 5) Prevention or retardation of Disuse Atrophy; 6) Immediate Post-surgical stimulation of calf muscles to prevent Venous Thrombosis.

The **NeuroCare NC10004PXP**, is a four (4) channel, eight electrode unit expandable to 16 electrodes using lead bifurcation cables. With the High/Low (H/L) feature, the stimulation of small figured individuals, small muscle groups or muscles in spasm can be applied in a more comfortable manner. The system is very user-friendly and applicable for in-clinic or in-home use by the patient or caregiver.

Complete & ready to use

- Main unit
- 4 non-disposable, reusable lead wires
- 2 Packages of 4 self-adhesive, disposable electrodes
- Power Source
- Protocol booklet
- Instruction booklet
- Carrying case

Optional:

- Permanent, carbon electrodes
- Adhesive gel
- Battery Pack



Technical Specifications:

Input Power: Wall mounted transformer
 Input Voltage: 15 to 18.0 VDC
 Input Current: 500 mA
 Pulse Type: Symmetrical, Bi-Phasic Pyramidal
 Pulse Output voltage: 0 to 440 V peak (open circuit)
 Pulse Output Current: 0 to 4.4mA average (1K ohm load)
 Pulse Duration..... 150 uS nominal
 Pulse Train ON Time: 1.5 sec. (Time pulses applied to output)
 Pulse Train OFF Time: .. 1.8 sec. (Time pulse not applied to output)
 Dimensions 8” X 7.5” X 2.5”
 WeightLess than 4 lb.

The portable that is more powerful than a clinical model, yet user friendly for home use. Rental or purchase.

FDA REGISTERED: August 3, 1993

Specific Protocols including, post SCI, Diabetic Foot, Incontinence, Carpal Tunnel and more, as well as studies and testimonials are available upon request. Telephone or e-mail support available for individualized pad placement.

NeuroCare™

NeuroCare is our brand name for the world's only "True Tesla" High Voltage Low Milliamp AC Output Neuromuscular Electric Stimulator. NeuroCare's world leading massive voltage output is delivered in a manner that allows much more powerful muscle contractions to be tolerated by patients resulting in significantly greater results and improved outcomes. The NeuroCare 10004PXP™ and our copyrighted proprietary Treatment Protocols have many applications listed below. Many diagnostic applications are not listed here.

INDICATIONS & USES:

MUSCLE RE-EDUCATION:

Incontinence or Over Active Bladder (OAB)	Post operative muscle rehabilitation
Stroke recovery for ambulation	Sub-clinical diagnosis of neuro-muscular syndromes
Physical Therapy facilitation	Detection of non-participating muscle groups
Decreased athletic rehabilitation time	100% muscle recruitment over treatment period
Frozen shoulder syndrome	Increase in tone and strength of difficult muscle
Off-site Physical Therapy	Muscle Group training (i.e. abdominal, triceps, etc.)
Rehabilitation for knee and hip replacement	Better patient compliance to physical therapy
Pre and Post Surgery Applications	Correcting Strength Imbalances leading to back pain

RELAXATION OF MUSCLE SPASMS:

Industrial sprain/strain complications	Repetitive or overuse injuries
Facilitation to physical therapy	Decrease or elimination of industrial "time loss"
Carpal Tunnel complications	Heel spur/plantar fasciitis
"Whiplash" recovery time decreased	Accelerated athletic re-participation
Diagnosis of specific muscle involvement	Tension headache relief
TMJ syndrome relief	Multiple Sclerosis relief from symptoms
Spinal cord injury complications	Stabilization to manual manipulation
Postural imbalances resulting in Spasms	Spasticity from: Cerebral Palsy, Para & Quadriplegia
Identifying and relaxing Spasms	Correcting poor ergonomics leading to spasm

MAINTAINING OR INCREASING RANGE OF MOTION:

Frozen Shoulder syndrome	Post surgical rehabilitation
Improved and Peak Athletic Performance	Decreased risk of muscle strain
Athletic injury prevention	Detection/Correction of muscle imbalance
Increased patient compliance to Exercise	Accelerated recovery from Athletic injuries
Removal of fluid buildup around arthritic joints	Reduced recovery time from stroke
Prevention of fibrosis from trauma complications	Automated protocols allow for better use of staff time
Increased ambulation, comfort, and balance to	Quicker full return of range of motion for auto accident patients
Removing edema and inflammation	Geriatric patients experience improved quality of life

PREVENTION OR RETARDATION OF DISUSE ATROPHY:

Carpal/Tarsal Tunnel Syndrome injuries	Decreased recovery time for auto accident patients
Diabetic Neuropathy	Increase in athletic performance
Maintenance of muscle tone, post-casting	Maintenance of muscle bulk and tone
Quadriplegics/paraplegics	Post stroke rehabilitation
Neurological injury preventing muscle control	In-house usage for Elder Care or home health
Diagnosis of sub-clinical problem areas	Increased Muscle Girth for Pressure Ulcer Prevention

INCREASE LOCAL CIRCULATION:

Improves wound and injury healing	Healing of Diabetic decubitus ulcers
Diabetic Neuropathy	More effective delivery of pharmaceutical agents
Edema/swelling reduction and elimination	(i.e. antibiotics to treat: Osteomyelitis, gangrene, etc.)
Prevention of blood clot formation	Transverse Myelitis
Decreased healing and rehabilitation time	Tendonitis
"Restless Legs Syndrome" or PAD	Prevention of DVT post surgery