

ProM-500

ProM-500

Electrical Neuromuscular Stimulator



200611

Instruction Manual

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It is recommended that you read this entire manual thoroughly before using your **ProM-500** Neurostimulator.

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SAFETY

Caution

Federal law (USA) restricts this device to sale by or on the order of a physician. Keep out of the reach of children.

Indications

This device is restricted to sale by or on the order of a licensed health care professional, licensed in the state in which he practices.

Contraindications

- 1) Children : Electric neuromuscular stimulation devices should be kept out of the reach of children.
- 2) Carotid Sinus : Do not stimulate over the carotid sinus nerves.
- 3) Neck Stimulation : Severe spasm of the laryngeal and pharyngeal muscles may occur when the electrodes are placed across the neck or the mouth. This may be strong enough to close off the airway.
- 4) Machinery Operation : Patient should never operate potentially dangerous machinery such as power saws, automobiles, etc. during the stimulation.

Precautions/Side effects

Long-term stimulation at the same electrode site may cause skin irritation. Should this occur, remove the electrodes and discontinue stimulation, consult your clinician to determine cause of irritation.

Pregnancy : The safety of stimulation for use during pregnancy or delivery has not been established.

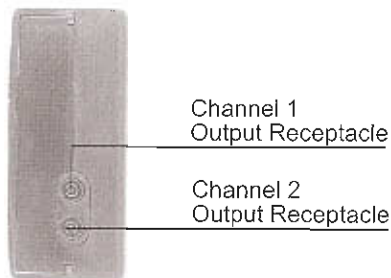
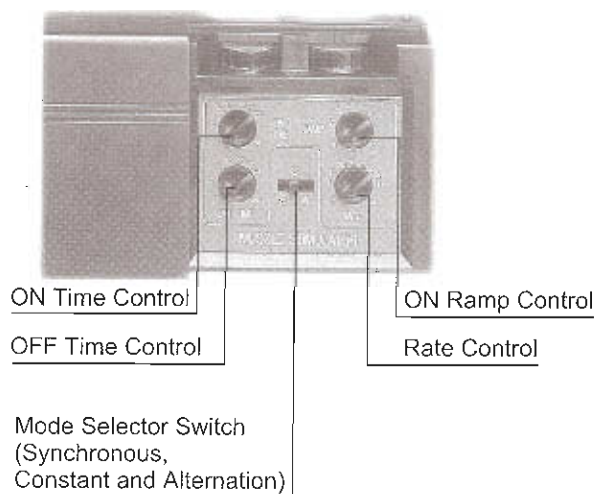
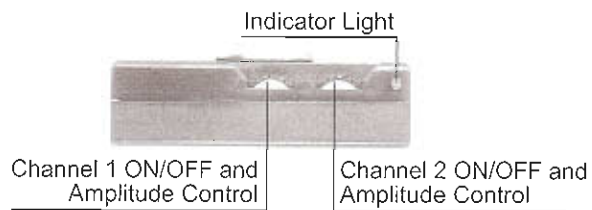
TECHNICAL SPECIFICATIONS

Wave Form :	Asymmetrical Bi-Phasic square pulse.
Output :	Constant current.
Channels :	Dual, isolated between channels.
Intensity (Amplitude) :	Adjustable 0-100mA peak into 500 ohm load each channel.
Pulse Rate (Frequency) :	(Adjustable) 2Hz-120Hz.
Pulse Width (Duration) :	250 microseconds fixed each pulse.
On Ramp :	Adjustable 1-8 seconds.
Cycle ON Time :	Adjustable 1-30 seconds.
Cycle OFF Time :	Adjustable 1-30 seconds.
S/C/A :	Synchronous, Constant and Alternation are available.
Battery :	One 9 volt battery.
Size :	27 x 62 x 95 mm.
Weight :	140 grams (Battery included).

THE FEATURES

- 1) DUAL.
- 2) POPULAR/COMPACT SIZE.
- 3) EASY OPERATION OF DIALS AND SWITCHES.
- 4) BELT CLIP - 3-WAY ADJUSTMENT.
- 5) ADJUSTABLE RATE. Fixed pulse width.
- 6) ONE WAVEFORM.
- 7) FULL INTENSITY RANGE.
- 8) ADJUSTABLE ON/OFF CYCLING. Select the right exercise amount for your patient.
- 9) ON RAMP CONTROL. For gradual, comfortable muscle contractions.
- 10) EASY-TO USE CONTROLS. No special tools needed. Adjust with fingers to avoid accidental movement.
- 11) S/C/A. Synchronous, Constant and Alternation are adjustable.

ProM-500 CONTROLS AND INDICATORS



Electrode placement

For effective therapy, it is very important that the electrodes are placed correctly. When placing your electrodes your physician will choose one of the following procedures:

Procedure A

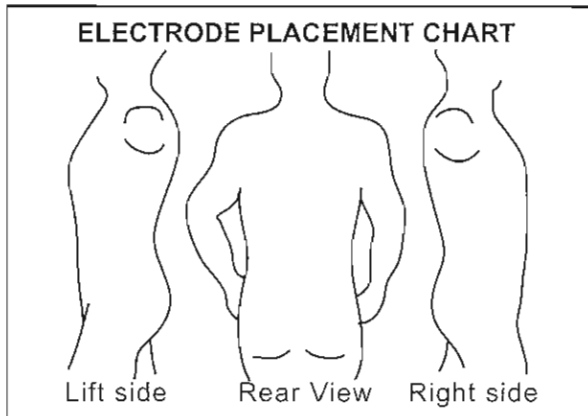
Your physician will mark the exact electrode placement position with a nontoxic skin-marking pen. You should use your skin-marking pen to darken these marks every day. If you are unable to do this yourself, have someone help you.

NOTE : The marks may be washed off when you swim or shower, so be sure to re-mark it before and after these activities.

Procedure B

Your physician will place your electrodes directly over or near to a body "landmark." This "landmark" may be a mole or scar on your back or other place that will be your reference point. Refer to the diagram of your back (below) that shows you exactly where your "landmarks" are located, and where the electrodes should be placed.

PREPARATION FOR USE OF THE ProM-500



▲Mark your electrode placement (s) here as a reminder.

Notes on electrode placement

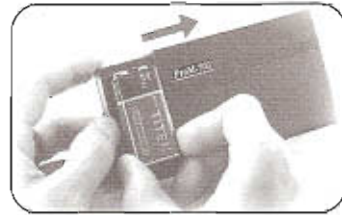
The electrodes must be placed in the exact location marked by your physician if your treatment is to be successful. If the marks are washed off or if you have any questions about electrode placement, don't wait for your next appointment. **CALL YOUR PHYSICIAN.**

Before applying the electrodes, wash and dry the skin of the electrode placement area.

Place the electrodes in their exact locations. Make sure that the electrodes are attached securely; press and hold them firmly against your skin until they adhere. Loose electrodes will reduce stimulation and cause discomforts.

1) Check battery

Be sure you are using a fresh battery.



2) Prepare skin

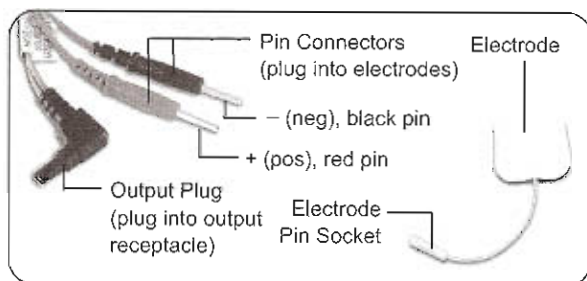
Before attaching electrodes, identify those areas where your physician has recommended electrode placement. Each location should be cleaned, rinsed and thoroughly dried.



3) Electrode lead wires

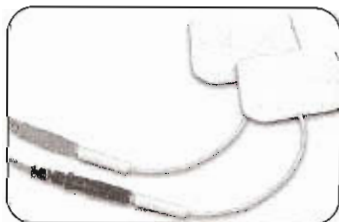
The use of the electrically conductive medium is subject to the specifications the component parts contained in the unit or recommended by the dealer.

CONNECTING THE ProM-500 ADJUSTING THE CONTROLS



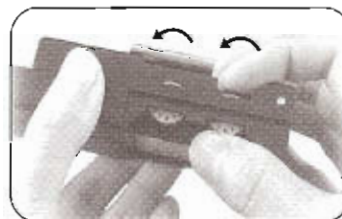
4) Insert pin into electrode socket

Insert pin connector into electrode socket. (When inserting or removing pin connector, grasp connector - not cord - to prolong cord life.) For some electrode locations, it may be preferable to insert the pin connector before attaching the electrode to the skin.



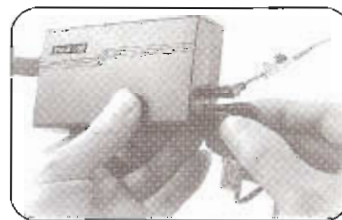
5) Adjusting the controls

Be sure both amplitude controls for channel 1 and 2 are turned to "OFF" position.



6) Connect lead wires to ProM-500

Plug end of lead wire set into the channel output receptacle to be used (1 and/or 2), pushing plug in as far as it will go.



7) Internal controls

- Adjustable pulse repetition rates.



FRONT COVER, REMOVING ELECTRODE CORDS.

ProM-500 is portable

Your Neurostimulator may be clipped to clothing such as a belt, vest, shirtpocket or bra.



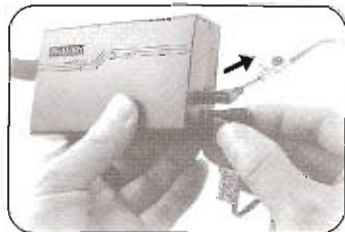
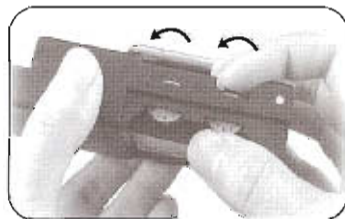
Front cover

Push the top slide cover from right side to left.



Removing lead wires

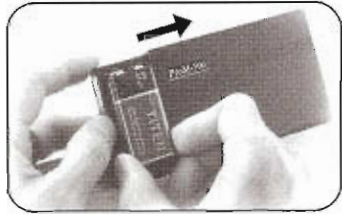
Turn both Channel controls to "O" (OFF). Then unplug the lead wires, grasping them by the plug, not the cord. If treatment will be resumed shortly, the electrodes may be left on the skin. When the electrodes are removed, clean the skin and electrodes thoroughly with soap and water, if there is skin irritation from gel, consult your medical professional.



LOW BATTERY... CARING FOR YOU ProM-500

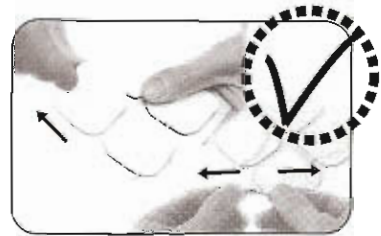
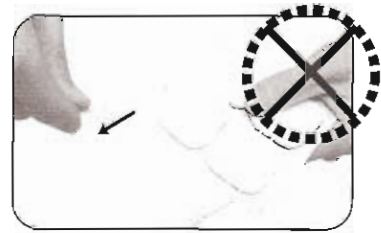
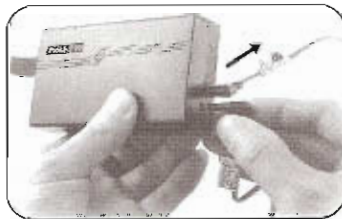
Low battery indication

When the lights become dim, it means the battery should be replaced with a new one as soon as possible, though the stimulator will continue to operate for a few more hours before replacement.



Care of electrodes

1) Hold the pads lightly at the edge when applying or removing.



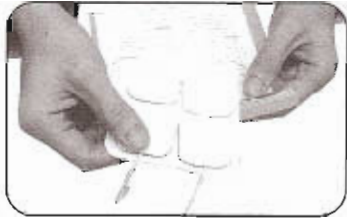
2) For fear abnormal stimulation on skin and for better contact, please keep the electrodes clean.

NOTE: Please renew electrode if the used one lacks of stickiness or conductivity.

3) Return the electrode pads to their plastic sheets. Place the sheets back in the plastic pouches and seal them. Use clean wax paper if the plastic sheets are not available.

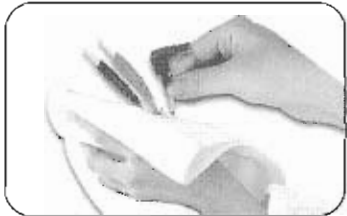


DO'S AND DON'TS



Wipe cords with damp cloth

Wipe to clean the electrode cords with a damp cloth. Coating them lightly with talcum powder will reduce tangling and prolong life.



Do

- 1) DO place the electrodes only as your clinician recommends.
- 2) DO keep the stimulator clean.
- 3) DO see your clinician if you have any problem or question regarding your system.
- 4) DO clean the cables only with water and mild soap.
Do not use rubbing alcohol or any other solvents.
- 5) DO remove the electrodes and discontinue stimulation if you experience skin irritation until the source of that irritation is determined by your clinician.
- 6) DO turn both intensity knobs to "OFF" before replacing the battery.

Don't

- 1) DO NOT damage your stimulator by bumping, dropping, or rough use.
- 2) DO NOT engage in sports when using your stimulator.
- 3) DO NOT get the stimulator wet. However, a damp cloth may be used for cleaning the outside only.
- 4) DO NOT pull or kink the cables.
- 5) DO NOT clean the cables with alcohol.
- 6) DO NOT make abrupt changes of stimulator controls while operating potentially dangerous machinery such as power tool, automobiles, etc.
- 7) DO NOT allow the electrode to get into the connector holes of the electrodes.
- 8) DO NOT allow the electrodes to touch each other during stimulation or improper stimulation and poor battery life will result.
- 9) DO NOT give the device to other individuals.

TROUBLE SHOOTING...SERVICE

If your **ProM-500** seems to be functioning improperly, use the chart below to determine what is be wrong. Check from the top of the chart until you find your problem. If none of these measures corrects the problem, the unit should be serviced. Please consult your dealer/distributor if there are any problems with device and accessories.

Indicator lights up but unit does not function properly

- 1) Check control Settings. Are they set as prescribed by your medical professional?
- 2) Are electrodes in proper position?
- 3) Check lead wires. Make sure all connectors are firmly seated.
- 4) Replace the lead wires with another set to check for broken wires.

On & Battery light dim

Replace battery with a new one.

No indicator lights on

Replace battery with a new one.

LIMITED WARRANTY

SERVICE

To obtain service, call your dealer for instructions first. You may need to send in your complete **ProM-500** (neurostimulator, electrode cords and electrodes) with a letter describing problem. Send postage-paid and insured to:

We warrant each new **ProM-500** unit only (excluding lead wires, electrodes and battery) for three (3) years from defects in materials and workmanship. This warranty only applies to the original purchaser and the warranty registration card must be completed and returned to us within thirty (30) days of purchases.

This warranty covers parts and labor for 1st year. Thereafter until the warranty expires, only the defective part will be repaired or replaced and the customer have to pay for the labor.

This warranty does not cover abuse, accident, damage resulting from failure to follow operating instructions and alteration/disassembly a other than by us.

The defective **ProM-500** unit must be returned to us postage prepaid and insured.

The warranty shall not be liable for any directly or indirectly consequential damages resulting from the use of this unit.

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitations may not apply you.

Prom-500 WARRANTY REGISTRATION

NAME-MISS-MRS : _____

-MS -MR.

ADDRESS : _____

CITY : _____ STATE : _____ ZIP : _____

PHONE : (_____) _____

PURCHASE DATE : _____

DEALER : _____

ADDRESS : _____

MODEL# : _____

SERIAL# : _____

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.