

OWNER'S MANUAL

Alpha-Stim® PPM Personal Pain Manager

Microcurrent Stimulator
for control of acute, chronic, and post operative pain





Type B Equipment. This stimulator is internally powered only.

See Instructions for use.



Read this manual thoroughly before using. Do not plug lead wires into wall sockets or line cord receptacles under any circumstances. Doing so could result in severe shock or burns whether the lead wires are attached to the stimulator or not.



Medical Electrical Equipment classified by Underwriters Laboratories Inc.® with respect to electric shock, fire, mechanical and other specified hazards only in accordance with UL-2601-1 and CAN/CSA C22.2 No. 601.1. 34VF.



Conformity Statement for Europe:

The Alpha-Stim® PPM is a Class IIa, Type B medical device. It has been independently tested by outside agencies in order to provide assurance of conformity to applicable standards for medical equipment safety and electromagnetic compliance.

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Alpha-Stim® is registered in the US Patent and Trademark office and worldwide.

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A NOTE TO DOCTORS

Thank you for recommending the Alpha-Stim® PPM . This manual is written for the person who will be using the Alpha-Stim® PPM , but your input will be invaluable to your patient. One way to help is to explain to your patient exactly where his or her problem is located, along with any corresponding areas (such as the low back in the case of leg pain). You might suggest specific electrode locations for your patient's particular problem. Alpha-Med is available to serve the needs of your patients, and to support you in doing so. New research is constantly available that may have a direct bearing on one of your patient's specific disorders. Feel free to write, call, fax, or email Alpha-Med for any reason at all.

INTRODUCTION

Congratulations on your selection of the Alpha-Stim® PPM microcurrent electrical therapy (MET) device. You have purchased a quality medical instrument. In so doing, you have already taken the first step to a more comfortable and rewarding life.

Alpha-Med was established with the aim of improving the quality of our Clients' lives and we are dedicated to help those who use our products. We have technical experts available to assure that you receive the best Possible support. Telephone consultations can be scheduled with you and your doctor, Sunday through Thursday, 10 a.m. to 5 p.m. You may also communicate with us by mail, fax or email. We stand behind all our Alpha-Stim Stimulators with the manufacturer's 5 year warranty as indicated In this manual.

The Alpha-Stim® PPM is a precision medical instrument used for the management of acute, chronic, and post operative pain. This treatment is non-invasive and drug-free. The Alpha-Stim® PPM provides a welcome alternative to drugs, especially in disorders that require long-term management. Unlike some drugs, the Alpha-Stim® PPM leaves the mind alert. The dangerous side effects of drugs are avoided, including accidental, intentional, and/or suicidal overdosing. After treatment, there are usually no physical limitations imposed so you can resume normal activities. The treatment is simple and can easily be self-administered at any time.

The current is applied by easy-to-use self-adhesive electrodes. During a treatment you may experience a mild tingling sensation as a result of the stimulating current flow.

The Alpha-Stim® PPM is often the only means required to relieve pain. However, it may also be added to other therapy prescribed by your doctor. The Alpha-Stim® PPM will not interfere with most other treatments.

Once you understand the basic procedures, you will find the Alpha-Stim® PPM is very easy to use. Please read this entire manual thoroughly before using it. Be sure to follow the general instructions given herein, and any specific directions from your doctor.

DESCRIPTION

The Alpha-Stim® PPM was developed through original research by Electromedical Products International, Inc., in Texas, USA. It is a precision technology which generates a modified square, bipolar waveform of 0.5 pulses per second (Hz), 10 to 600 millionths of an ampere (μ A), at a 50% duty cycle.

The Alpha-Stim® PPM is small, compact and light-weight. Its design lends itself well to treatment in a health practitioner's office, clinic or hospital as well as self-administered treatment at home.

The single control is simple and easy to operate. A timer assures the prescribed treatment time. The amount of current can be easily modified for maximum comfort and effectiveness.

Microcurrent electrical therapy, or MET, is a term used to describe a low level current used for pain control applied through easy-to-use self-adhesive electrodes. It is distinguished from previous forms of transcutaneous electrical nerve stimulation (TENS) in that MET uses far less current, but delivers the current in much longer pulses. Whereas TENS devices must be constantly worn because they offer virtually no residual effect, MET effects are long-lasting and cumulative.

Results in electro medicine are based on the design of the waveform, the amount of current (intensity), the location of the electrodes, and the amount of time it is used. The Alpha-Stim® PPM has 2 waveform generators; one generates the 0.5 Hz waveform and another serves to add random factors to avoid accommodation by the nervous system. The Alpha-Stim® PPM is actually a microcomputer, incorporating the latest advances in solid state electronics. All components are of the highest quality available to assure the user the ultimate in reliable and trouble-free performance. The output is accurate within 0.1% under all operating conditions. The instrument's design assures electrical safety to the user by the use of readily available 1.5 volt batteries.

One important feature incorporated into the Alpha-Stim® PPM is an electronic circuit which operates to maintain a nearly constant current flow to the electrodes, minimizing the effects of electrode resistance variations due to poor electrode-to-skin contact.

The Alpha-Stim® PPM was developed by neurobiologist Dr. Daniel L. Kirsch and consultant engineers. Dr. Kirsch has been a leading pioneer in the field of electromedicine since 1972. He is board-certified in pain management by the American Academy of Pain Management and is a Fellow of the American Institute of Stress. Dr. Kirsch has served as Clinical Director of the Center for Pain and Stress-Related Disorders at Columbia-Presbyterian Medical Center in New York City and the Sports Medicine Group in Santa Monica, California. He lectures frequently to physicians worldwide on pain and stress management. Only original Alpha-Stim® products meet Electromedical Products International, Inc.'s exacting specifications.

ELECTROMEDICAL THERAPEUTICS

The application of electro medical currents is not a new concept. Ancients recognized the therapeutic value of naturally occurring electrical phenomena long before William Gilbert defined electricity in 1600. Both Aristotle and Plato refer to the Black Torpedo (electric ray fish) prescribed in 46 AD by the physician Scribonius Largus for the relief of a variety of medical conditions from headaches to gout (head to foot). In the 1800s dentists reported excellent results using crude electrical devices for pain control.

One hundred years ago, electrical devices were in widespread use to manage pain and claimed to cure a variety of medical disorders. Because of the unrefined early electrical technologies and political clout of the pharmaceutical lobbies, this form of therapy fell into disrepute by the medical profession in the early part of the 20th century. As a result, medical colleges stopped teaching electrotherapeutics. Biophysics was virtually eliminated from medical practice leaving chemistry as the master science and with it the burden of responsibility for curing all of mankind's ills. Now, at the turn of the 21st century, it is clear that chemistry as the sole explanatory model for medicine has not lived up to its promise causing modern medicine to re-examine the role of biophysics.

In 1965 Drs. Ronald Melzack of Canada and Patrick Wall of the United Kingdom published a paper explaining a new comprehensive theory of how pain is processed by our nervous systems. Their "Gate Control" theory also explained how electrical stimulation can influence the physiology of pain. By 1967 electrical devices were surgically implanted to control severe low back pain. Shortly thereafter, surface electrical units were used to test the person's response as a means of screening suitable surgical candidates. It was soon discovered that these surface electrical stimulators were equally effective and could be used for pain relief alone, avoiding surgery. Since then, these devices, known as transcutaneous electrical nerve stimulators (TENS), have become widely accepted by doctors and dentists to control many forms of pain. TENS technology is based on the concept of using electricity as a force. Repeatedly tapping a painful area with a blunt object, such as a pen or a spoon accomplishes the same thing. That is why TENS is sometimes referred to as *counter-irritation analgesia*. There is virtually no residual effect with TENS and the people who use it develop a tolerance to electrical stimuli that requires increasing the amount of current until it is ineffective at safe levels.

Modern science has established that there are extensive electrical fields at work in the body. The nervous system, for example, has long been known to work through both electrochemical and purely electrical signals. In fact, all molecules are held together by electrical bonding at the atomic level. This knowledge has led medical scientists such as Dr. Robert Becker of the USA and Dr. Björn Nordenström of Sweden (who served as Chairman of the Nobel Assembly) to propose completely new theories of physiology based on bioelectrical control systems.

Over the past few decades, technology has surpassed chemical analysis for the diagnostic side of medicine. With Alpha-Stim® technology, therapeutic intervention based on the new biophysics is finally emerging as a viable alternative to pharmacological management and surgery. The original Alpha-Stim® Model 2000, a sophisticated clinical device, weighed 40 pounds and cost \$5,850 US when it was first introduced in 1981. The Alpha-Stim® PPM microcurrent stimulator utilizes the most advanced technology available today. It is now possible, in most cases, to alleviate pain with far less current than traditional TENS uses, and experience long term and cumulative relief with as little as only a few minutes of treatment every other day. When used properly, we trust your new Alpha-Stim® PPM will help to control your pain and improve the quality of your life.

HOW TO USE THE ALPHA-STIM® PPM FOR PAIN CONTROL

1. Clean skin - It is a good idea to clean the skin thoroughly around the treatment area before applying electrodes. Use mild soap and water and allow it to dry thoroughly. This is essential around areas where skin oils or dirt have accumulated, or where cosmetics or hair spray have been used.

2. Evaluate your pain - Don't forget to evaluate your pain before, from time-to-time during, and after each treatment. Your doctor can give you guidelines to help you do a quick, simple evaluation. This may consist of simply moving into a position that causes you to be more aware of your pain, then noting the level of pain you are experiencing on a 0 (no pain) to 10 (maximum pain) scale at the beginning and end of the treatment. Moving the affected body part through a range-of-motion and noting the increased range along with the decreased pain after treatment is also a good indicator of progress. Because the Alpha-Stim® works so fast in most people, it is necessary to use these reference parameters to determine effectiveness throughout a single treatment session. Keeping a daily (or even as often as hourly) chart of changes in your pain levels on a 0 to 10 scale will also assist your doctor in giving you the best possible advice. Consider 10 as "the worst this condition has been". To help you understand this system, a description of pain levels follows (use odd numbers for half values):



ONE SWITCH OPERATION

Read the following instructions carefully. Then, you may simply place the electrodes and turn the POWER control on. *That's all there is to it!* If necessary, adjust the intensity up or down to a comfortable level at any time during treatment.

PAIN LEVEL DESCRIPTION

10	EXCRUCIATING, often debilitating.
8	INTOLERABLE, concentration difficult, only able to perform undemanding tasks.
6	DISTRESSING, but able to continue tasks.
4	DISCOMFORTING, may be ignored at times.
2	MILD, only aware of it when attention is brought to it.
0	NO PAIN.

It is also helpful to keep a record of the Alpha-Stim® treatment times with the intensity (0 - 6 x 100 µA) settings along with the electrode locations you use.

Some questions that will help you and your doctor understand your pain are:

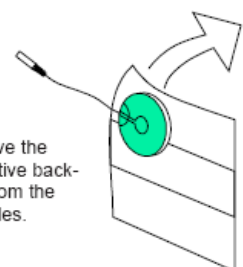
- When did it start?
- Is there a position that lessens or increases it?
- Is there anything you can do to lessen or increase it?
- Does it feel deep under the skin or superficial?
- Are there any particularly sensitive spots you can point to with one finger?
- Is it always in the same place or does it move around?
- Are you having other symptoms which may be associated with your pain?
- How does it change throughout the day or week?
- What words describe it (such as burning, stabbing, aching, sharp or dull, superficial or deep, etc.)?

3. Connect wires to Alpha-Stim® PPM - Insert the plug of the electrode wire into the output receptacle on the Alpha-Stim®. The top receptacle is for channel 1, the bottom is for channel 2.

4. Attach electrodes to wires - Insert the pin jacks directly into the wires coming off the self-adhesive electrodes. Push gently, but firmly into place for a good connection.

5. Place electrodes - Where you place the AS-Trode™ self-adhesive electrodes is the most important variable for optimum results. You must always use electrodes in pairs. (if you are using both channels, you must use one pair for each channel).

Peel the self-adhesive electrodes off of the protective backing and save the backing to store the electrodes after use. *If the adhesive is drying out and the electrodes do not stick well, you may wet the electrodes by wetting your finger with water and lightly rubbing it over the electrode for just 1 second (too much water will saturate them and actually shorten their life).* Discard and replace electrodes when adhesive has split or worn through to the conductive backing. Only use EPI AS-Trode™ brand silver electrodes



Remove the protective backings from the electrodes.

available through your authorized Alpha-Stim® distributor. Some electrodes are as much as 20 times less conductive and will not allow the Alpha-Stim® current to penetrate the skin resistance. A separate individual package of electrodes should be used for each person using the device.

Follow your physician's recommendations or use the following electrode placement guidelines:

There are only a few principles one must remember when treating pain with the Alpha-Stim® PPM. You should be in a relaxed position to receive maximum beneficial effects. The most important variable is the position of the self-adhesive AS-Trode™ electrode pads. Always place the AS-Trode™ electrodes in such a way that if a line were drawn between them, that line would transect the problem area. Keep in mind that the body is 3-dimensional. Therefore, there will be many possible ways to draw a line through the problem area. Some lines will work much better than others. *The correct electrode location is the one that works!* However, the one that works may be transient, working well one day, but ineffective another day. As the problem begins to resolve, the electrode locations may require constant adjustments.

For optimum results, silver AS-Trode™ electrodes may be moved around the problem area. Think in terms of symmetry.

Consider treating related areas located above, below, left, and right. Treat both sides of your body. This is essential in back problems, but treating the opposite side is also often helpful in arm and leg problems. Our natural tendency to protect a bad knee can cause problems to develop in the other knee. Treatment of the other "good" knee may be necessary to get any results or to increase the longevity of the results. Then it is helpful to connect the 2 knees. This is done by putting one of the pads from a single channel on each knee, and moving them around to a few different places.

Often the pain will migrate as a response to therapy. Follow it. Use the same treatment strategy described above for the pain's new location. In some very rare cases, the treatment may initially increase pain temporarily. If the pain does increase, continued treatment will usually produce good results. An increase in pain is most likely due to the treatment's effects on the body's compensation for the pain. For example, a weakness of the muscles on one side of the back often results in a tightness on the opposite side. If the tighter muscles are causing the pain, and treatment is concentrated solely on the area of pain, the other side will find other ways to compensate. That is why it is always best to treat a broad area around the pain.

Do not place the electrodes too close together. For example, one right next to each side of the spine is not a good placement for back pain. In this 2-dimensional example the current will travel just under the surface of the skin to the other electrode and not penetrate to the area requiring treatment. Here it would be better to put one electrode next to the spine and the other on the opposite side of the body, on the side, near the front. Another possible electrode placement for back pain is to place one on each side of the body (between the shoulders and the hips) at the level of pain.

Some people require a few minutes, or an hour or more of stimulation daily. Others may need to use the Alpha-Stim® PPM continuously, all day long.

Helpful Suggestions:

Reevaluate your pain using the 0 to 10 scale after one hour of treatment. For some simple problems, it is preferable to reevaluate more often. Use the original criteria. Stop when the pain is completely gone, or when the improvement has reached a plateau after several hours. Continuing to treat the area at this time may cause the pain to return! If the pain is gone, it is far better to stop treatment until the pain returns. If you can no longer identify any pain, but feel stiff, this indicates that it is time to stop treatment. The Alpha-Stim® will not reduce residual stiffness. Usually post-pain stiffness will wear off by itself.

Although most people will have an immediate response to treatment, in some the effects will be delayed, continuing to improve over a day or 2 after the treatment. In these people, relief will generally occur 1 to 3 hours after treatment or even as late as the next morning. Some people will experience a combination effect, continuing to improve over time. People who experience a delayed effect are more difficult to treat due to lack of immediate feedback which helps to determine the best electrode locations. Usually, people who experience a delayed effect from Alpha-Stim® treatment also have a delayed effect with anesthetics. If your dentist had to wait more than 10 minutes after injecting anesthetic prior to doing dental procedures, you may have a delayed effect from Alpha-Stim® treatment. A treatment diary is helpful in analyzing your progress if you have a delayed effect.

Follow-Up

Most people should try at least 3 weeks of treatment before evaluating their response to Alpha-Stim® PPM therapy. It helps

to understand that the effects are cumulative. Like antibiotics and most other drugs, one must take several doses over a period of time to get results. Although results will usually be seen during or subsequent to the first treatment, the longevity of the results can only be evaluated after a series of treatments. In some cases the results will plateau to a similar time period regardless of treatment. For example, you may only get 2 days of relief no matter what combination of treatment strategies are employed. In some cases of severe pathology, the effectiveness may only be short-lived.

Tips For Limited Or Poor Results

While the Alpha-Stim® PPM is significantly efficacious when it is used correctly (greater than 25% improvement in signs and symptoms) in at least 90% of the people who use it, it will not work for everyone. However, if pain relief is not immediate, consider treating the primary area of pain at a lower intensity setting of 1 - 2 (100 to 200 μ A) with AS-Trode™ electrodes for as long as necessary. It can be used all day. It may also be necessary to treat all areas of pain anywhere on the body in order to get results. Finally, If the Alpha-Stim® PPM is not working well for you, contact Alpha-Med, your local authorized Alpha-Stim® distributor for technical support, or to upgrade to an Alpha-Stim® 100.



6. Turn the power on and set the intensity - Rotate the dial on the front panel slowly to achieve the desired amount of current. The dial ranges from 0 to 6. Each number represents 100 microamperes (μ A), 1 is for 100 μ A, 2 is for 200 μ A, etc. One microampere is one millionth of an ampere, which is a measure of current. First make sure the intensity dial is set at a low level (no more than 2). The LCD will start to count the treatment time. After placing your electrodes, turn up the intensity very slowly. Most people can take the full amount of current, but some people are more sensitive and must use a lower current. Initially treat at 6 (600 μ A) if possible. Because the Alpha-Stim® PPM uses such a low level of current, many people do not feel anything at all, even with the intensity set at the maximum level of 6. Do not be concerned if you can not feel the current as this is perfectly normal and your perception of the current will not effect the results. After the pain is reduced to a comfortable level, turn the current down as low as possible to control the pain, but never less than 1 (100 μ A). Another strategy is to leave the electrodes on, but turn the power off, just turning it back on as needed. Over time, most pain related disorders will become manageable with less treatment time.



7. Turn power off - You must turn the power off after use to avoid a drain on the batteries.

8. Disconnect and Remove Electrodes - Carefully replace the electrodes on their protective backing and put them back in the sealable bag they came in. If you are keeping a diary, record your pain level now, how much current and treatment time, and note the time interval until the pain returns. Also note improvement in range-of-motion and any other signs and symptoms.

CHECK BATTERIES OFTEN

Be sure you are using two good, fresh AAA batteries such as the ones provided with the unit. Replace the batteries when the display indicates they are low. Once the display indicates the batteries are flat the Alpha-Stim® PPM will discontinue stimulation until new batteries are installed. Do not use rechargeable batteries.



HOW TO PERFORM A SELF-DIAGNOSTIC TEST

The Alpha-Stim PPM contains circuitry that enables the user to perform a simple self-diagnostic test of the circuitry, jacks

and plugs to make sure the device is functioning properly.

To perform the self-test follow these steps:

1. Start with the PPM power dial in the OFF position.
2. Connect a lead wire to jack 1 or jack 2.
3. Wet your thumb and index fingers and hold the pins of the lead wires between them, taking care that no two pins are touching one another.
4. Click ON the PPM power dial but do not turn up the dial. The timer will appear and start counting up from 0. Keep holding the pins for 10 seconds and look at the right hand side of the display during these 10 seconds.

5. If the circuitry/jacks are good, then nothing will appear on the right hand side of the display. If channel 1 of the circuitry or jack 1 is defective, then a circle and the number 1 will appear. If channel 2 of the circuitry or jack 2 is defective, then a circle and a number 2 will appear. If the circuitry and or jacks are defective for both channels, then a circle and the numbers 1 and 2 will appear.
6. The self test ends after 10 seconds and the right hand side of the display will be cleared. If the jacks are good, you may now apply the electrodes, turn up the dial to the desired current level and use the PPM normally.
7. To skip the self test, simply turn on the PPM and turn up the dial to the desired current level and use the PPM normally. In this case, ignore the symbols on the right hand side of the display. The symbols will disappear after 10 seconds.

Note: You could test the integrity of the self-test by deliberately letting the 2 pins of a lead wires touch one another or by laying the 2 pins apart on a dry surface. In either case, no current will flow through your body and the PPM will think that the output circuitry, jack or plug is defective. A circle with a number will appear in this case.

SKIN CARE

1. Apply electrodes on dry, clean unbroken skin only.
2. Before applying and after removing electrodes, wash skin with mild soap and water or clean with baby wet wipes. Rinse and allow to dry completely.
3. Excess hair at the electrode site should be clipped but not shaved.
4. If skin irritation develops, discontinue use and consult your physician.

WHAT TO EXPECT

Pain reduction is usually experienced during a treatment, but may be seen hours later, or as late as 1 day after treatment.

After the condition is under control, use of the Alpha-Stim® 3 times per week is usually sufficient to maintain good results.

After treatment, there are usually no physical limitations imposed so most people can resume normal activities immediately.

Some people may experience an euphoric feeling, or relaxation that may temporarily impair their mental and/or physical abilities for the performance of potentially hazardous tasks, such as operating a motor vehicle or heavy machinery for up to several hours after treatment.

At present, there are about 50 research studies using Alpha-Stim® technology. No significant lasting side effects have been

reported. Occasional self-limiting headache, discomfort or skin irritation under the electrodes, or lightheadedness may occur.

PRESCRIBING INFORMATION

CE Conformity Statement for Europe: The Alpha-Stim® PPM is a Class IIa, Type B medical device. It has been independently tested by outside agencies to provide assurance of conformity to applicable standards for medical equipment safety and electromagnetic compliance.

Caution Statement: Outside of the USA, this device is available world wide without a prescription but consultation with a qualified health care professional is recommended for difficult and unresponsive problems or when used in conjunction with pharmaceuticals or other therapeutic intervention.

Indications: Alpha-Stim® PPM technology is continuously being subjected to rigorous study and evaluation by the international medical community. Findings to date indicate that the Alpha-Stim® PPM is an effective treatment with broad applications for a variety of syndromes involving acute, chronic, and post operative pain. In many cases it is the sole therapeutic method required. Effective results in pain management have been seen during and/or subsequent to stimulation over effected body parts, adjacent areas, and areas distant from those in pain. As with any therapeutic intervention, not all people will respond to the Alpha-Stim® PPM. The degree of efficacy will vary with the nature of the problem being treated, the overall health of the person, and with the method of treatment.

Contraindications: The Alpha-Stim® PPM may affect the operation of cardiac pacemakers (particularly demand type pacemakers). Do not stimulate directly on the eyes, or over the carotid sinus (upper side of neck, below the ear and behind the jaw).

Precautions: For external use only. Do not allow children to use or handle this device without adult supervision. Do not operate potentially dangerous machinery or vehicles during, and in some cases, for several hours after treatment. Caution is advised in cases where other forms of analgesia (pain control) would not be used; such as to retain the beneficial aspects of pain for diagnosis or in cases where people may overuse pain-controlled areas. Safety of stimulation has not been established during pregnancy.

Adverse Effects: Adverse effects are usually mild and self-limiting. Adverse effects from approximately 4,541 patients participating in controlled, open, uncontrolled research, and by physician survey are skin irritation/electrode burns (5 cases, 0.11%), and headaches (9 cases, 0.20%).

If the Alpha-Stim® PPM does not control your pain within 3 weeks, consult your physician.

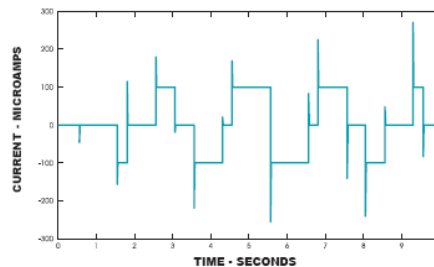
TECHNICAL SPECIFICATIONS

Electrical

Power Source	Two AAA 1.5 volt batteries (included). Replace with disposable batteries (alkaline preferred). Do not use rechargeable batteries.
Timer	Continuous
Current	10 to 600 μ A continuously adjustable
Frequency	0.5 Hz (pulses per second)
Waveform	Bipolar asymmetric rectangular waves, 50% duty cycle, 0 net current (see graphic depiction)

Mechanical

Height	8.0 cm
Width	5.8 cm
Depth	2.0 cm
Weight	82 gm with battery



Accessories

The Alpha-Stim® PPM is packaged complete with one set of 4 self-adhesive AS-Trode™ brand silver electrodes (good for approximately 2 weeks to 1 month of use), electrode wires, two 1.5 volt AAA batteries, and an illustrated Owner's Manual. This is everything necessary to begin to use the Alpha-Stim® PPM right away. Replace self-adhesive electrodes only with authorized Alpha-Stim® and AS-Trode™ brand products.

STORAGE AND CLEANING

Remove the batteries when storing the Alpha-Stim® PPM for an extended time (more than 1 month). The Alpha-Stim® PPM and all its accessories should be stored and used within a temperature range between 0° and 36°C, with a relative humidity of 90% or less, at an atmospheric pressure between 0.9 - 1.1 atm. Clean the Alpha-Stim® PPM by periodically gently wiping the surface with a damp cloth when dirty. Use mild soap and water. Use of other cleaning solutions may damage the case. Never spray cleaners directly on to the device.

TROUBLE SHOOTING

PROBLEM

POSSIBLE SOLUTIONS

There is no sensation of current.....	Note: This is normal for some people. Try turning up the intensity. Perform the self diagnostic test.
There are no results..... often and/or for a your doctor.	Vary the electrode locations. Also treat all other areas of pain. Treat more longer time at a lower intensity. Try 5 to 10 treatment sessions. Consult
Electrodes do not stick well.....	Replace AS-Trode™ electrodes. Apply electrodes to a clean, dry surface.
There is no output..... firmly in place.	Change the battery if the "battery low" or "battery flat" symbols appear. Try turning up the intensity. Check lead wires and electrodes: make sure all connections are

SERVICE

The Alpha-Stim® PPM is not user serviceable.

To obtain service, first contact Alpha-Med -your authorized Alpha-Stim® distributor for advice or a return authorization number (RAN). Upon authorization by Alpha-Med, you may send the entire unit, with all accessories, packed in the original carrying case, to Alpha-Med by registered mail or delivery, insured and freight prepaid. Please include a copy of your invoice and a note describing the problem. Please do not forget to include your return address, your phone number, and if available, your fax number and email address.

5 YEAR LIMITED WARRANTY

While in the opinion of Electromedical Products International, Inc., ("EPI"), the manufacturer of Alpha-Stim devices, the Alpha-Stim® PPM ("product") is generally effective in relieving acute, chronic and postoperative pain, health care is not an exact science and individual results will vary. Accordingly, EPI makes no warranties as to the effectiveness of its products for a given individual. Electromedical Products International, Inc. warrants to the original purchaser (and no one else) that each new Alpha-Stim® PPM is free of defects in workmanship and materials, under normal use, for a period of 5 years from original purchase date, except for accessories. The warranty registration card must be completed and returned to Alpha-Med to validate the warranty.

Accessories such as batteries and electrodes are excluded from the warranty and are sold "as is" because they may be easily damaged before or during use.

During the warranty period, EPI's sole obligation shall be, at EPI's option, to replace or repair the Alpha-Stim® PPM without charge. In order to recover under this warranty, purchaser must first contact Alpha-Med, your authorized Alpha-Stim distributor, by phone, mail, fax, or email for a return authorization number (RAN). Purchaser must have an original copy of the invoice to prove that the product is still covered by warranty. The authorized return may then be shipped to Alpha-Med, safely packaged with all accessories, packed in the original carrying case, by registered mail or delivery, insured and freight prepaid. Alpha-Med and EPI will not be responsible for damage due to improper packaging or shipment. If EPI determines there is a defect covered by this warranty, the repaired or replaced product will be shipped back, freight and insurance prepaid, as soon as reasonably possible. If EPI determines in its sole discretion that the product does not contain defective workmanship or materials, EPI will return the product and the return freight and insurance charges shall be the purchaser's responsibility. This warranty is voided immediately if the product has been subjected to abuse, accidental damage, damage in transit, negligence, acts of nature, or damage resulting from failure to follow operating instructions, or alteration/disassembly by anyone other than by EPI.

Electromedical Products International, Inc. and Alpha-Med shall not be liable for any direct, indirect, special, incidental, or consequential damages, lost profits or medical expenses caused by any defect, failure, malfunction, or otherwise of the product, regardless of the form in which any legal or equitable action may be brought against EPI or Alpha-Med (such as contract, negligence, or otherwise). In no event shall EPI's or Alpha-Med's liability under any cause of action relating to the product exceed the purchase price of the product.

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