

# Bio-AMF Generator 4T THE USER MANUAL



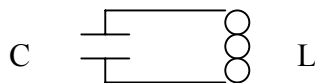
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| <b>I</b> | <b>I</b> | <b>I</b> | <b>I</b> | <b>I</b> |
| <b>1</b> | <b>2</b> | <b>3</b> | <b>4</b> | <b>5</b> |

This magnetic generator constitutes a realization of modern technology because it accomplishes produces exceptionally high intensity magnetic field of order of 4 Tesla (1T = 4000 Gauss), in successive vibrations up to roughly 3/sec.

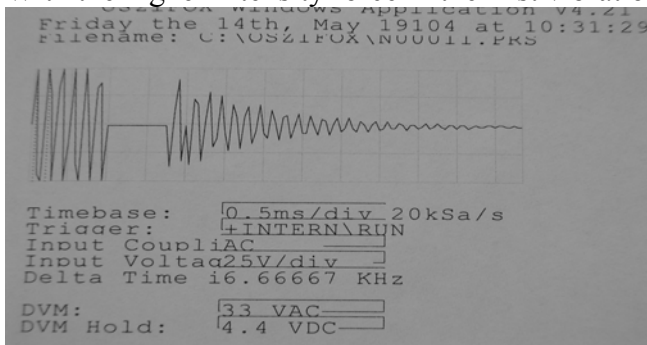
The magnetic field of earth does not exceed 0,5-1Gauss and the constant magnet of magnetic resonance oscillates roughly in the 1.5-2 T.

The magnetic field that you produce with the Bio - AMF Generator 4T is not naturally a constant field but a pulse field of high frequency from roughly 6.5KHz (6.500Hz) until roughly 10KHz (10.000Hz). For this particular reasons it presents and exceptionally interesting biological effects – therapeutic results in minimal time, where a constant magnetic field with the same intensity it does not present.

The principle of operation of generator is quiet simple and is based on a circuit L - C. That is to say in the parallel connection of capacitor with if inductor. The passage of current from the capacitor in the inductor produces electromagnetic field proportional with the intensity of current.



The oscillation that is produced is a declining oscillation of roughly 10 vibrations. With the higher intensity force in the first vibration (declining oscillation).



## Description

- The machine has a general switch on / off (1), which places in operation the machine.
- Next to this (2) exists the exit connection of inductor and a indicator operation Led, which turns on for each vibration that is release in the inductor. In the exit of inductor *must be always found connected the special plug* because there is presented very high tension (up to 3500V). In the center is found a deviator switch of (3) two positions that is useful for the change of frequency that is release in the inductor place **A** produces frequency roughly 6500Hz while place **B** roughly 10000Hz. Next to it is found the regulator of intensity (4) with that we regulate the current that is released to the inductor and accordingly the intensity of magnetic field. From here we can achieve almost null magnetic field up to the 9 while the biggest intensity 4T. The last regulator (4) adjust the frequency of vibrations that is released to the inductor. In position 1 we achieve a pulse per second. While in place 9 the max number of pulses about 3 per second.

During the operation of machine is heard a rhythmical sound that is owed in the rele of current transfer. Also in the small inductors because the condensed intensity it can be produced a similar rhythmical sound that is physiologic.

## FORMS OF INDUCTORS

Exist 4 forms:



The two first simple are applied above in the region that we want to radiate. The rests have handgrip and after him we cover with sterilized flexible material we can then place also in internal cavities (buccal cavity, anal, vaginal). Also it can be used in order to we focus the field in a very small region.

## PRINCIPLE OF OPERATION

It is known that if we expose micro-organisms in pulsating electromagnetic field with frequency from 5KHz till 50KHz and with a intensity of field 5Tesla (50.000 Gauss) the micro-organisms they will be decreased at number in least from 4%. This happens in the surface and in the inner part of sample. We can achieve the complete sterilization of the

sample if we release more than a pulse. The category of micro-organisms that is sensitive is *viruses, bacteria, mushrooms, protozoans and algae (1)*.

As long as electrically conductive it is the material so less more magnetic field needs in order to it kills his microorganisms. Still it has not been clarified precisely if we have the killing or deactivation of the microorganisms.

I mention a table from experiments:

Polluted Material	Micro-organism	Initial measurement per cm <sup>2</sup>	Treatment	Final count
Milk	streptococcus thermophilus	25000	1 sequence 12 Tesla 6,000hz	970
Bread	mold spores	3000	1 sequence 7.5 Tesla 8,500hz	1
Yoghurt	saccharomyces	3500	10 sequences 40 Tesla 416,000hz	25
Orange juice	saccharomyces	25000	1 sequence 40 Tesla 416,000hz	6

This information was from Patent #4524079 and detailed in the book "A Case For Electro-Therapy"

The exposition usually is in big intensity of magnetic field, but because this can be dangerous for the person, because the intense inductive currents that can be created in the tissues better it is we do not exceed 8-10T.

The generator that you have in your disposal produces as max field 4Tesla per pulse. The intensity of field is regulated from 0 until to 4Tesla with linear increase of field. This renders the generator completely non dangerous, provided that are observed rightly the directives of use.

The problem that is presented with the magnetic field is that his intensity it is decreased by the source in the cube of his distance.

That is to say in other words the intensity of field is decreased at the following line. (The measurements I was realised experimental)

<u>INTENSITY OF FIELD</u>	<u>DISTANCE FROM THE INDUCTOR</u>
4 T	0.0Cm
3,9T	0,5Cm
3,5T	1,0Cm

2 T	2,0Cm
1,4T	3,0Cm
1 T	4,0Cm
0,5T	5,0Cm
0,3T	10,0Cm

Beyond the antimicrobial action that it presents the generator has one almost direct anti-inflammatory action.

We do not have still enough elements in order to we comprehend the precise mechanism. The result is presented very rapidly and is proportionally to the size and the intensity of inflammation the time of appearance of the effect is oscillated from 20-30sec until 4-5 minute. This causes direct alleviation in the suffering region and it is not simply in the killing or deactivation of the micro-organisms but in the interruption of mechanism of inflammation. Therefore is observed recede of erythema, edema and pain.

### **INDICATIVE APPLICATIONS AT DISEASE**

*It has application in all inflammatory and/or infective focus*

ORTHOPAEDICS: Arthritis, ernia discalis, tendinites, tennis elbow. Periarthritis.

Exostosis. Carpal tunnel syndrome. Myalgia. Soft tissues contusion. Infections of bones, articulations , soft tissues.

NEUROLOGY : Trigeminal neuralgia , myalgia, optical neuritis, paresis of facial nerve.

UROLOGY: Blader infection, Inflammatory nefritis . Urethritis.

GYNECOLOGY Vaginitis, cervicitis, inflammation of the ovaries , infections of exterior genital parts.

PATHOLOGY: Pneumonia, bronchitis.

OTORINOLARINGOLOGY: Laryngitis, rino sinusitis, rhinitis. Tonsillitis.

DERMATOLOGY: Forunculosis, Ulcers. Abscesses. Acne.

DENTISTRY: abscesses, gingivitis.

ONCOLOGY: in animal experiment it causes shrinkage of volumes (cf. annex)

EXPOSITION OF BLOOD WITH MAGNETIC FIELD: we select a surface artery for example the radial and expose the flow of blood in the magnetic field in the biggest intensity of magnetic field and in the biggest frequency of repetition for time interval 30 minute. The technique is useful in cases bactiriaemia or viraemia.

### **TECHNIQUES AND PROTOCOLS OF APPLICATION**

The Bio-AMF Generator 4T it is a machine that combines two main action first is the direct anti-inflammatory that is presented from first minutes of application and other antimicrobial.

The handling of the machine is very simple **we place the inductor above the suffering region and open the switch of power.** It is Good to interpose between naked skin and inductor a napkin or other paper in order that the inductor is not soiled. When it is mucous

for e.g. mouth we wrap the small inductor of 2Cm with 3 layers of cellophane. Or place it in a surgical glove. If it is to be placed in the anus or in vaginal we can after the membrane place a condom or surgical glove.

The speed of repetition of pulses can adjust on the case.

It should we know that in the highest speed we do not achieve complete charge of capacitor and the field that is produced is lightly decreased.

The intensity is regulated also this proportionally. Thus in the number of 9 we achieve the biggest force in the five roughly 50% of force. The scale is linear from 500mT to 4T.

The region with the inflammation has higher conductivity, are produced in this more intense inductive currents so that sometimes in first minute of the treatment the pain can be intensified. In this case if the patient tolerates the nuisance, we do not make no corrective regulation because this will recede in few seconds or minutes. If the sense is not bearable then we decrease the intensity, up to the point that will become bearable and after it recedes we restore in higher intensity.

In case of two generators of (2 inductors) or even more, is possible a inductor is placed aside in the other. Also the one opposite in the other other exists a distance roughly 4-5 cm. We can also regulate the frequency of repetition so that does not coincide the one with the other. This is heard with a characteristic sound of succession of pulses as gallop.

The time of application oscillates from 2 minutes up to 30 minutes. Depends of the point under treatment. Thus for example in a knee it will need from 5 up to 15 minutes for each surface. In case of exostosis plantaris it can need roughly 20 minutes. In muscular pain it can need also 30 minutes. In case of sciatic – lumbar pain 30'.

In case infections for example tonsillitis the time oscillates proportionally if we have internal or exterior exposition and depending of the type of inductor. Thus the time can be from 5 thinly up to 15-20 minutes. Important role play the intensity of the disease and the depth that is found given his that the intensity of magnetic field is decreased considerably with the distance (cf. table).

The intensity and frequency repetition can be almost always in highest or near this.

We regulate proportionally always with the sensitivity of patient and with the depth and the intensity that we want to reach.

As long as bigger the intensity of field so much faster and immediate result we achieve

## BIBΛΙΟΓΡΑΦΙΑ

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## **ATTENTION!**

It should not be applied in individuals which bring pacemakers in pregnant particularly in the first quarter of pregnancy, in epileptics (in the region of head of neck).

Do not place the inductor above the region of heart!.

Must be not used in the region of thorax in kids under the 3 years.

In very thin individuals there are probability that we have feeling of electric discharge in the region, in this case we decrease the intensity of field.

In no case I am not used the inductor if it has deteriorations or cracks– κομμένο ή denude cable!

The circuit it is flow from high tension that can reach the 3500 Volt.

Must be always connected in the exit of instrument special plug of inductor because is applied **high tension** at the operation of generator.

Attention in the falls of inductor from height because we can have his destruction.

Do not wetted or is moistened the inductor. It should always it is maintained dry.

In regions of application with humidity always insulate with membrane or latex before the use.

*Attention in the magnetic media registration* (credit cards, diskettes PC, videotapes, audiotapes) because it can they suffer damage the loss of data!

*The use can cause interference in radio-television appliances of reception as well as other appliances for examples telephone, music reproduction appliances that can find itself in a beam of 5 meters.*

The company does not carry any responsibility for the effectiveness of machine as well as for any other individual side effect that can result from her use or treatment.

## **CONDITIONS OF OPERATION**

220-230volt/50Hz, Humidity up to 75%. Temperature from 0 up to 45C.

## **GUARANTEE**

The generator has guarantee of good operation for 1 year.  
It fulfills constructional CE criteria.

## ANNEX

### TEST # 1

Cells treated with an 8,000hz oscillating magnetic field of 8 sequences at 5 Tesla were tested for percentage of dead cells after 18 hours in comparison to untreated cells, with normal epithelial cells as a point of reference. Magnetic treatment proved at least a fourfold rate of cancer cell death over that of normal cell death due to treatment.

CELL TYPE treatment	% dead cells after 18 hours		Difference due to
	Untreated Cells	Treated Cells	
normal epithelial	10%	14%	4%
undifferentiated carcinoma	1%	17%	16%
embryonal carcinoma	8%	29%	21%

### TEST # 2

Evaluation of rat mammary cancer tumors following 6 days of magnetic treatment (20 sequences of 5 tesla at 8,000hz) and 16 days non-treatment. Shrinkage or interruption of growth was experienced by all tumors. Tumors were induced with 1 oral feeding of dimethyl-benzanthracene (DMBA) 1 month previously, or 3 successive intravenous doses of N-nitrosomethyl urea (NMU) 3 weeks previously.

cancer cause	Total # of tumors	16 Days After Treatment Period	
		# of tumors with growth interruption	# of tumors with shrinkage
DMBA	8	2	6
NMU	10	1	9

### TEST # 3

Mammary cancer tumor measurements in 11 rats before and after 30 days of

**magnetic treatment. (cancers were induced by DMBA.) Most remained nearly the same size while 3 enlarged by about 3 times the original size, which still is very good compared to the 10-30 times size growth normally had by untreated tumors of this virulent type after 30 days.**

treatment by 20 sequences of 8,000hz 5 Tesla

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tumor volume in square centimeters

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rat #	Day 1	Day 30	final volume divided by initial volume
1	.9	.42	.47
2	2.1	1.20	.57
3	1.1	.85	.77
4	.38	.45	1.18
5	1.6	1.95	1.22
6	3.01	3.81	1.27
7	6.79	8.88	1.31
8	1.4	3.81	2.72
9	1.2	3.65	3.04
10	2.1	8.18	3.89
11	1.6	1.4	.87 (this was with 1.2 Tesla)

**Test 3 notes:** These results are very favorable, especially considering that rat mammary tumors induced in this manner normally increase in size by 10-30 fold after 30 days (see *Journal of National Cancer Institute*, Vol 54, no. 2, Feb '74) but the treated tumors averaged only 1.57 their original size after 30 days. Tumors of this type left untreated will normally ulcerate within 45 days. On day 60 of experiment #3 all but 1 rat was still alive with stabilized or reduced tumors. Throughout the test the rats generally appeared to exhibit normal behavior and appetite and did not appear to lose weight. The fact that the rats did not die of infections suggested that the immune systems functioned normally.

This information is from Patent #4665898 and detailed in the book "A Case For Electro-Therapy".