

# High Electrical Potential Therapy Equipment

## User Manual



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### Appendix: Product Certification

Users are required to read the instruction carefully before using this instrument to ensure the safe use of all the functions of the product.



## I. Working Principle

High Electrical Potential Therapy Equipment mainly adopts high-potential, negative potential, imitated natural electric field built by mid-frequency, to make the people under treatment back to the nature, repairing various disorders and obstacles caused by the damages of natural environment.

After processing by this instrument, the alternating current (AC) is transformed to AC high voltage alternating electric field, which can make all parts of the user vibrated subtly, therefore the imbalance of the body tissues and organs are fully recovered, the inherent healing capacity of human is improved, the cells will be activated effectively, the nerve conduction function will be strengthened, and the gastrointestinal motility will be accelerated so as to achieve the treatment of chronic constipation. By means of artificial method, the electric field is acted to the human body, spreading around the user and generating stable mid-frequency electromagnetic field of AC high-voltage negative electricity so as to promote blood circulation, unclogs the collaterals, release pain and etc. When using negative high voltage output, the negative high voltage electric field will break the original charge distribution of body, the changed charge swims among the tissues and the cells then results in a series of biological\physical\chemical changes which will promote the biological functions and pathological state of the tissues, and organs, makes parasympathetic excited to regulate vegetative nerve functional disturbance thereby treat neurasthenia, headache, insomnia etc.

## II. Performance Parameter

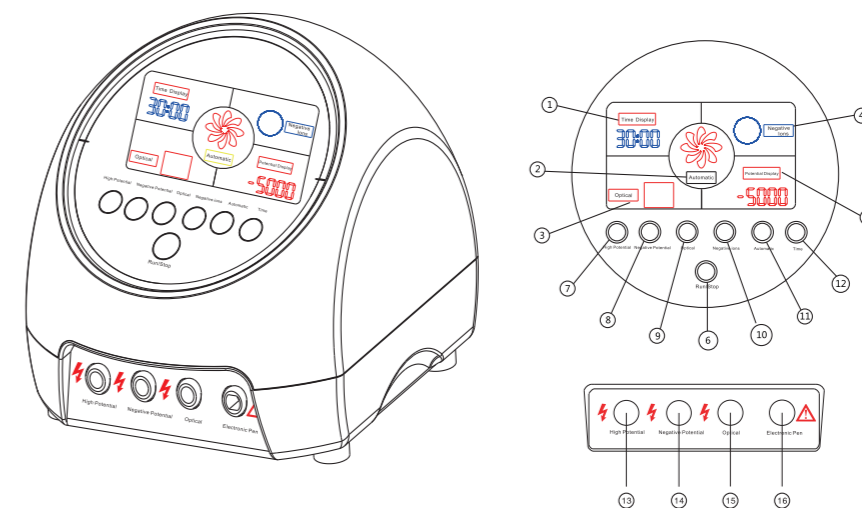
Power input:	AC 220V 50-60Hz
Input Power:	25VA
HPOT output voltage:	5000V/7000V/9000V (±10%)
HPOT output frequency:	50Hz ±2Hz
Negative potential output voltage:	-5000V/- 6000V /-7000V(±10%)
Negative potential output frequency:	50Hz ±2Hz
IF potential output voltage:	2800Vp-p(±10%)
IF potential output frequency:	80 KHz(±10%)
Display of reading:	LED Digital Screen
Default treatment time:	30mins
Operating mode:	Continuous
Treatment Counting:	Sleep function timing, others countdown
Timing Range:	Less than 12 hours for sleep function, Less than 90 minutes for other functions
Time Adjustment:	10min/gear, increasing circulation
Waterproof Level:	Non-water-tight
Host size:	300mm*245mm*210mm
Working environment:	Ambient temperature: 5°C ~40°C Relative humidity: ≤80 % Atmospheric pressure: 860-1060 hPa

Transportation and Storage Conditions:

1. Ambient temperature: -40°C ~ 55°C ; Relative humidity: ≤ 80 %; Atmospheric pressure: 500hPa~1060hPa;
2. The instrument shall not be affected directly by snow or rain, and cannot be transported with corrosive substances together;
3. The instrument shall be stored in the original package box or the warehouse, and it shall not be stored together with harmful gas, flammable and combustible products and corrosive chemicals. And the instrument shall not be affected by strong mechanical vibration, impact and strong magnetic field. The package box shall be stored 20cm at least away from the ground, and keep away from walls, heat sources, windows and air 50cm at least.

## III. Structure and Components

### 1. Structure Diagram



### 2. Structure Description

- 1) Time display: The default display time shows 30:00, which means 30 minutes. Countdown-----decreasing for every second; Time adjustment----- 10min/gear increasing
- 2) Intelligent treatment display: When treat on an intelligent mode, the intelligent fan symbol displays on clockwise rotation.
- 3) IF potential output display: When working on IF potential function treatment, IF potential waveform symbol flashes.
- 4) Anion output display: When working on anion function treatment, anion symbol flashes.

- 5) Potential display: Display the set high potential, negative potential output voltage.
- 6) On/Off key: After selecting the treatment function, press "On/off" for first time, counting and treatment starts, pressing again, stop the treatment function, and then stop working and restore the default time.
- 7) High potential key: Pressing it for first time, potential shows in 5000, pressing for second time, shows in 7000, pressing for third time, shows in 9000, pressing for the fourth time, shows in 5000, and then following by circulation.
- 8) Negative potential key: Pressing it for first time, potential shows in -5000, pressing for the second time, shows in -6000, pressing for the third time, shows in -7000, pressing for the fourth time, shows in -5000, and then following by circulation.
- 9) IF potential key: After pressing it, the IF potential characters and waveform symbols light up.
- 10) Anion key: After pressing it, anion characters and waveform symbols light up.
- 11) Intelligent key: After pressing it, intelligent symbol shows in red fan symbol, potential shows in 5000.
- 12) Time key: After selecting function keys of ⑦ to ⑪, pressing this key and then setting time.
- 13) High potential output jack: Connection with energy effect pad, controlling high potential output intensity by the key.
- 14) Negative potential output jack: Connection with energy effect pad, controlling negative potential output intensity by the key.
- 15) IF potential output jack: Connection with energy effect pad, selecting the controlled output by key.
- 16) Output jack: connecting with the pain releasing handle. Coordinating with the pain releasing handle to have partial treatment when using the high potential and negative potential function.

Note: 1. Anion therapy instrument is portable USB plug-in type, and it is not standard configuration. Customers may buy this instrument as needed.  
 2. Due to factor of technical improvement, the actual appearance, size and key setting may vary for the product, the above diagram is only for reference when using.

**3. Intelligent Output Instruction:**

Function	Intelligence		
	High potential circulation	5000V, 5 minutes	7000V, 5 minutes

Unpacking of the Instrument

Please take out the instrument and accessories from the carton, and carefully check whether there is any damage for each part during transportation and examining. If items listed on the packing lists are complete. If there is any damaged or missing, please contact the nearest point of sale.

**4. Standard Accessories**

<u>Name</u>	<u>Quantity</u>
Energy effect cushion.....	1 pc
Pain releasing handle.....	1 pc
Power cord.....	1 pc
Remote controller.....	1 pc
User manual.....	1 pc



Energy effect cushion



Pain releasing handle

**5. Optional Accessories**

<u>Name</u>	<u>Quantity</u>
Energy effect mattress	can be purchased as needed





## IV. Application Scope and Contraindications

This product is suitable for the treatment of headaches, insomnia, bone and joint pain and chronic constipation

Users who are using the following medical electrical equipment can not use this therapy instrument for treatment simultaneously.

Pacemakers or any other electronic transplant equipment.  
Artificial heart-lung machine which is a life-support system  
The ECG measuring equipment which taking along

Taboo	<p><b>Users who are using the following medical electrical equipment can not use this therapy instrument for treatment simultaneously.</b></p> <ul style="list-style-type: none"> <li>★Pacemakers or any other electronic transplant equipment</li> <li>★Artificial heart-lung machine which is a life-support system</li> <li>★The ECG measuring equipment which taking along.</li> </ul> <p style="text-align: center;">— May cause serious problem —</p>
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The following patients should be agreed by the professional doctors before using the equipment.

- Patient with acute disease
- Patients of infectious diseases
- Cardio path
- Patient with malignant tumors
- Patients with a high fever
- Pregnancy women
- Being treated or people who are not feel well
- People within the metal into body are forbidden on using this product;
- During the onset of life-threatening disease, the product shall be stopped using.

## V. Operating Instructions

### 5.1 Confirmation Items before Using

Use the product under the guidance of professionals.

It must ensure that the power is 220V 50-60Hz.

It must ensure that the host enclosure, power cord, energy pads and connecting lines are intact and no cracks, no damage.

It must ensure that the power cord, energy pad and connecting lines are properly connected and the equipment can work normally.

It must ensure that the hosts, the energy pads, connecting lines and the user are remain completely insulated state.

Please do not use the product and other appliances on a same outlet to avoid the risk of mutual interference. Do not use the product with other medical healthcare products at the same time.

Please do not use the product under the environment of heat, humidity, dusty, smoky and vapor

### 5.2 Basic Operations

Please operate in strict accordance with the following methods to ensure the proper and safe use of the product.



- (1)Emplace hosts. Flatly place the host on ventilation, dry easy-to-operation objects (plastic or wooden tables and chairs). The host must maintain a distance of at least 20cm with the ground the wall. Host and energy pad must maintain a distance of at least 1 m with computers and other appliances. It should be placed an insulated pad on the ground for foot placing. See diagram
- (2)Connect energy pad and power source. Making energy sitting pad (mattress) set smoothly on the plastic or the dry lignin chair (bed). The energy pad and wire cannot touch with the ground, the spacing maintain above 20cm. Insert the plug into 220V 50-60Hz socket.
- (3)Turn on the host power source, Chinese character lightens the demonstration completely, the host enters the readiness for action, the timer demonstration is 30:00 minute.

(4)Function choices:

- A.Before choosing high potential function, inserting the energy pad and effect pad input plug into host's high potential output hole, pressing the high potential key 7,the high potential output may choose the 5000V,7000V,9000V of three kinds of intensities.
- B.Before choosing negative potential function, inserting the energy pad and effect pad input plug into host's negative potential output hole, presses the negative potential key 8, the negative potential output may Choose-5000V,-6000V,-7000V of three kinds of intensities.
- C.Before choosing intermediate potential function, inserting the energy pad and effect pad input plug into host's intermediate potential output hole, presses the intermediate potential key 9, intermediate potential output specification are 2800Vp-p,80KHz
- D.When using the intelligent treatment, making the energy pad high pressure input line's plug inserts into the host's high potential output hole, pressing the intelligent key 11, electric potential output intensity is made by 5 minutes gap intelligence circulation of output high potential.

(5)Adjusting time.

Press the time key to set the time, press to hand over by 10 minutes/grade for each time, from default 30:00, to 40:00, 50:00 .....Until 90:00 increasing. The most greatly fixed time for the countdown time is 90 minutes. When countdown, the time demonstrates for the first two digital presentations are minutes, the latter two digital presentations are seconds.

After arriving at 90:00, presses one time to return to 0:00 again. 0:00 indicated enters the sleep function of time reference point. The sleep function is started by 0 hours 00 minutes. When sleep function, the first two digital presentation are hours, the latter two digital presentation is minutes, the max time work is up to 12 hours, it will close the sleep function after 12:00.

(6)A.After setting treatment function and treatment time, after pressing start/stop key, the machine starts to work, the timer countdown, after the period of using arrives, the buzzer sounds 10 times to remind the treatment has completed and withdraw from this treatment function.

B.From step 4 to operate if the user would like to operate continuously

C.After setting treatment function and treatment time, if the user do not press start/stop key after 30 seconds, the machine would withdraw selected treatment function and treatment time

(7)The anion treatment function may be used with the above function together, and it also may be used separately.

(8)After using, please switch off the host power, separate the power point; make the host at the power-off condition.

### 5.3 Items for Operation Reminding

- Laying a piece of insulated cloth when using the product on bed or sofa which attached metal spring.
- It must ensure that energy pad high pressure input line is inserted into high potential output hole when using high potential key.
- It must ensure that energy pad high pressure input line is inserted into negative potential output hole when using negative potential key.
- It must ensure that energy pad high pressure input line is inserted into intermediate potential output hole when using intermediate potential key.
- During use process, if transforming the function between the electric potential output and intermediate frequency electric potential outputs, may first press the key of start/stop 6 to regain the readiness for action, then operating from elementary operation of 4th step to carry on the operation.
- During the use, if stopping in advance, it must press the key of start/stop 6 to regain the readiness for action, then switch off the power
- Users should drink 250-500ml lukewarm water before and after using the machine to enhance organism metabolism function and carry out waste.
- There are metabolic promotion responds during initial use, such as ache, dizziness, vertigo and a parched mouth. That is the normal phenomenon.
- Washing the face with the clear water after use, or the supplement of Vitamin (eats fruit and vegetables, or oral administration of Vitamin C).
- Symptoms will eliminate several days later.
- Heart disease, hypertension and diabetic's users: Starts to use one time for every day, starts from 30 minutes first, and gradually increases to 40 minutes one month later. During use, please suspend for several days for later use again if has illness.
- For serious heart disease, hypertension and diabetic patients, it should be under the specialists' instruction during the initial period use.
- The medicine cannot be taken decrement or stopped, if has ill please suspend using.

### 5.4 Attention Items during Operation

(1)In order to avoid the machine damage and an electric shock accident, please note:

- Do not place the machine to a place that the baby is easy to reach.

- During use, do not touch other people with the hand and other conductors of surrounding, do not touch the host's outer covering, and do not transmit the thing mutually.
- The special attention to prevent the liquid to splash into the host and on the energy pad in order to avoid leaking age or damaging machine.
- Do not use the machine in the environment of moist, pollution and vibration.
- When treating in the winter and lying down on the bed, it cannot use with the electric blanket.
- When thunders, earthquake, fire, floods and power cut, it must immediately shut down the power source, captures the power line and suspend using.
- When the machine works, please do not hold the finger or put the metal goods and conductor insert into function output hole.
- Do not serve as this machine outside the health care uses arbitrarily.

(2) For the following situation, please use after the body returns to normal:

- After drinking wine excessively
- After strenuous exercise
- Palpitation exceptionally
- Scant of breath

(3) For the following situation, it should use under nursing of family member, please do not use separately:

- Babies and infants
- Old and weak people
- Moving with difficulty
- Has epilepsy history
- Has the mental and sensory disturbance
- Just start to use and does not understand application method
- Has aerosil and other filling materials in vivo
- Has the dysphrenia or the nerve medical history

### 5.5 Time Management

- It should be according to individual body adaptation to proceed in an orderly way and select the output function and service condition reasonably when starting to use the electric potential treatment meter. This product design default treatment time is 30 minutes, uses each time for 30 minutes. Only needing consistently insist that can make the effect. The physically weak person should reduce number and time of treatment, the strong person may relative extend time.

- When using intermediate frequency electric potential function, it should not exceed 40 minutes for each time. When the electric potential output is higher than 7000V, it should not exceed 60 minutes for each time.
- The effect is better if twice for each day (respectively one time for daytime and night). Uses for one month later. Adjusting the electric potential output intensity every 2-3 days. Looping use three grades output; Or uses the intelligent key frequently, makes the circulation of upscale, middle-grade and low-grade. This may eliminate human body's tolerance to some constant electric field.

### Time Management Recommendation Table

Function	1-10 days	11-20 days	21-30 days	30 days later
High potential	30min/ 5000v	30min/ 7000v	30min/ 9000v	Using the intelligent key, or makes the circulation of upscale, middle-grade and low-grade for every 2-3 days.
Negative potential	30min/ 5000v	30min/ 6000v	30min/ 7000v	
IF potential	30minutes for each time	30 minutes for each time	30 minutes for each time	Less than 40 minutes for each time

Sickly people shall use the instrument for 10 minutes per day and increase potential, time and frequency according to actual condition after one month.

### 5.6 Functions and Operation of Pain Relief Handle

#### Pain relief handle's function

Reducing nerve's excitability mainly through the high-pressure micro current stimulation. It can quickly reduce tingling, swelling, pain and other symptoms in some body parts.

#### Potential strength and the use of time reference

Reasonably adjusting time and strength of potential as for the body's situation and recommending potential strength output is 5000V, 1-2 times daily, 10 minutes for each time. Diverting the water for the metal part of the dredge machine to some sensitive patients which feeling tingling so that to eliminate irritation.

#### Operation tips

- Make the plug of pain releasing handle insert into the output jack of partial pulse.
- Turn on the host power, setting using time.



- When the user is completely insulated, pressing the high potential / negative potential key and then pressing on / off button to enter the operation state.
- Holding the pain releasing handle insulation handles; aligned with the metal end to the affected area by pushing, clicking and massage.
- Neon tube will light up of the pain releasing handle's front-end when the pain releasing handle's metal side making effect on the human body. It shows that the machine is making effect on the patient's body part.
- If needing to stop in advance, first pressing on/off key to stop operation and recover to standby, then unplugging the machine. After using, please turn off the host's power and cut off the power switch to make the host in power off state.



Notes for pain releasing handle's using:

- Patients must be used in a fully insulated state.
- Do not use the machine directly on the wound surface, ulcers and bleeding.
- The patient's hands, feet, body is not allowed to touch the wall, floor and the conductor when using the machine.
- Making the metal side of the machine away from the computer or other electronic devices to avoid interference.
- Using the metal tip to make acupuncture point stimulation. It has a function of traditional Chinese medicine acupuncture.

### 5.7 Diagram of Using Methods

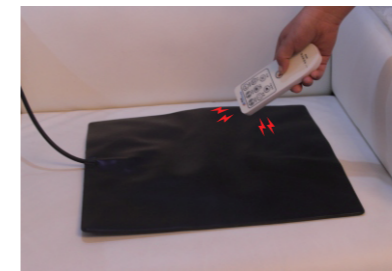


Using diagram for sitting



Diagram for using pain releasing handle

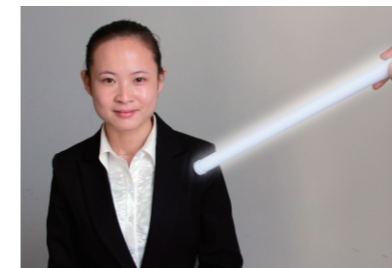
## VI. Energy Detection for Electric Field



Detector could check that if the host has an energy output for high potential, and negative potential. Also it could check if the user's body is in the range of above energy electric field. The detailed methods are as following:



Holding the detector before using, making the detecting side nears the sitting pad or lying pad which the energy outputs. Pressing the detect switch, the detector's display lights up and beeps to show that the host and energy pad are in normal work state



When using the machine, the user could hold the detector by oneself; make the detector side near the wall or other conductors except energy pad, then press the detector switch and the display lights up and beeps to show that the user's body is in the range of energy electric field.

When using the machine, people outside the electric field could hold the detector; make the detector side near the user, then press the detector switch and the display lights up and beeps also to show that the user's body is in the range of energy electric field.

Please note : When using the machine, if the user holding the detector to one self's body for checking, the detector display will not light up and not beep.

Note: The detector display will not light up and not beep for the following 2 situations:

1. The energy pad's plug is not inserted into host's energy output hole or the host is not start to output.
2. The detector inside battery depletion. It needs to open the battery cover to change for new batteries. (2 dry batteries of No.7)

Unique detecting method for IF potential field energy:

Beside for using detector to check IF potential field energy as above introduction, it could also check the IF potential field energy by household fluorescent tubes, the detailed methods are:

People who is outside the electric field holding the fluorescent tube by right hand, put the other side of the fluorescent tube on the user's body to keep touch with the user's skin, then stroking the bottom of fluorescent tube by left hand, the machine works in normal state if the fluorescent tube lights up. Colorful tubes can be used to facilitate the observation.

## VII. Product Maintenance

### 1. Routine Maintenance

1. Do not place the instrument under the sun's direct rays, humidity, dusty and smoky environment;
2. Keep tidy for the appearance of the treatment instrument. It needs to be power off state when daily cleaning. It is not allowed to use organic solvents or chemical reagents to wipe the equipment. It can be wiped with a damp cloth. Make sure that the equipment is thoroughly dry before turning on and using;
3. When the product is not used, it should be kept in a cool, dry, ventilated and non-corrosive environment, and the power should be set up to check for once a month;
4. Move the host gently, it is not allowed to upside down, also not too hard when using keys, plugging and unplugging the connection line;
5. Make sure the energy pad and other accessories are good before using the machine. If there are defections, please contact the distributors or after-sale service for new replacement in time. Do not repair or disassemble the product by oneself, otherwise we can't provide a normal after-sales service for you.
6. Use soft cloth and concentration 75% medical alcohol to clean polluted energy pad is suggested. Do not use Benzene, gasoline and other chemicals to clean the machine and energy pad.
7. It should unplug the host line timely. Do not use wet hands to plug and unplug the power cord after using the machine for each time.
8. Non-folding and twisting high-voltage cable and power cord.
9. It is not allowed to touch the power switch and host switch by wet hands.
10. High-voltage cables should be firmly connected with the host interface.
11. Forbidden the foreign body enters to the host.
12. Immediately stop using for the following abnormal conditions:
  - a. Generation of smoke and unusual odor;
  - b. Water and other foreign matters entering into the host, high voltage cable and inside of the insulated cushion;
  - c. Generation of heat by the host, high voltage cable, insulation cushion and their joints;
  - d. Abnormal sound and lights of thunder, lightning and a lightning storm;
  - e. When the host, high voltage cable and insulated cushion are damaged.

13. It is required to turn off the power of the host before plugging high potential therapy instrument's accessories, moving the product and interrupting use.
14. Insulation cushion can not keep touch with the host after the host in the state of turn on.
15. Human body can finish use and leave the operation area after cutting off the power of host completely.

### Warning:

As a number of high-precision parts are used in this machine, please do not disassemble this product, or try to repair it by oneself; immediately stop using if the instrument is in malfunction. It is not allowed to disassemble the chassis for repairing. Customers should contact the manufacturer or the dealer to repair broken machine promptly.

Symptom	Checking and confirmation	Remedy
No display or no operation response	If the power cord is good connected	Please plug the power switch to keep good connection
	If the host is power on	Put the power turning on
	If the fuse (tube) is burned out	Checking and replacing the fuse of T1.6AL/250V
Having the "buzzing" sound after power on	If the high-voltage wire keep touch with the ground and wall	Please set up high-voltage wire
Normally display but no output	If the energy pad is good connected	Re-connecting energy pad after turning the power off
	If the energy pad is connected to the proper output hole	Re-connecting energy pad after turning the power off

## VIII. Tag Description



1. Make sure the warning sign on the treatment instrument is kept in a clear state, also to replace not clear or damaged sign.
2. Please familiarize with the manual to familiarize yourself with the operation of therapy instrument before using. Do not allow



- unqualified personnel to operate the treatment device.
- 3. Noting these warning and attention symbols attached on the treatment instrument or in this manual. They remind that the wrong operation may be dangerous to humans, or damaged to equipment.
- 4. Before installation of the treatment instrument into operation, please read the following safety precautions and warnings in details.

- 1. The energy jacks of this treatment instrument for high-potential, negative potential and IF potential output high voltage. Please turn off the energy output when pulling and plugging to avoid electric shock.
- 2. Cut off the power supply when overhauling, only qualified personnel can operate the treatment device. These personnel must be familiar with all of the warning symbols. Proper installation, operation and maintenance can ensure safety and maintain equipment properly.



### IX. Environmental Statement

Note: This device is a class II insulating electric-shock preventing instrument. The ground terminal is function ground connection, not protective ground connection.

### X. After-sale Service

Dear Customer:  
Thank you for purchasing our products, "customer satisfaction as the only standard" is our company's service concept. To protect your legal rights and eliminate the worry about using, our company made the following commitments and provides you with comprehensive and standard warranty services in turn.

#### (A) The warranty range:

From the date of purchasing, one year warranty for host when failure in normal use, one year warranty for energy pad and other accessories except for consumable and natural reduce consumption materials.

#### Entrust repair within warranty

- 1. Please refer to "Common trouble and remedy" for processing firstly.
- 2. If you still can not rule out failure, please kindly contact our service department
- 3. Please provide maintenance service guarantee

#### (B) The following conditions are not included in warranty, our company will charge on some extent for repair.

- 1) One can not provide the product warranty document and warranty card.
- 2) The damage caused by careless or incorrect use.
- 3) The machine failure is due to disassemble by oneself.
- 4) Due to damage caused by natural disasters.
- 5) The user who expiring the warranty period will be charged for materials fees properly.
- 6) Failure or damage due to accidental factors or man-made factors (scratch, soaking, secretly replacing the configuration, etc.)Instrument outer case, brochures, packaging and other accessories.
- 7) Instrument enclosure, user manual, package and other accessories.

#### Informing to the user:

Please fill in the product maintenance list in details after purchasing this product so that we could put on file reference and provide post-sale service. The user should take responsibility if under-served due to absence of this procedure. Please understanding!

The company states that if our products meet quality problem, users can have free warranty service during the warranty period at the local distributors place. Extra maintenance service fee would be charged when it is beyond warranty period. The company provides needed parts diagrams, circuit diagrams, and the commonly used accessories for the nonlocal contributing maintenance center.

Warranty Card				
User Name		User Tel		Person In Charge
Product Name		Product Model		Serial NO.
Purchase Date		User Add		
Failures Description				Time
Maintenance Record				
Failures Description				Time
Maintenance Record				

