



Medical Device Registration Standard: YZB/E0853-2011

Medical Device Registration ID.: SFDA 2012 2261503

License No.: SFDA 20100291

## Potential Therapy Instrument (DW-9202) User Manual



# Contents

I. Working Principle	1
II. Performance Parameter	2
III. Structure and Components	3
1. Structure diagram	3
2. Structure description	3
3. Intelligent output description	5
4. Standard accessories	5
IV. Application Scope and Contraindications	6
1. The other medical devices who can't treat with this instrument simultaneously	6
2. The patients who should use this instrument under doctor's agreement.	6
3. The patients who are prohibited to use this instrument.	6
V. Operating Instructions	8
1. Confirmation items before using	8
2. Basic operations	8
3. Items for operation reminding	10
4. Attention items during operation	11
5. Time management	12
6. Functions and operation of pain relief handle	13

7. Diagram of using methods.....	14
VI. Energy Detection for Electric Field.....	15
VII. Product Maintenance .....	17
1. Routing maintenance.....	17
2. Trouble shooting .....	18
VIII. After-sale Service .....	21

# I. Working Principle

Potential therapy instrument adopts high potential, negative potential and intermediate frequency potential to rebuild natural electric field to let the people under treatment back to nature, eventually 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 with high vibration frequency 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.

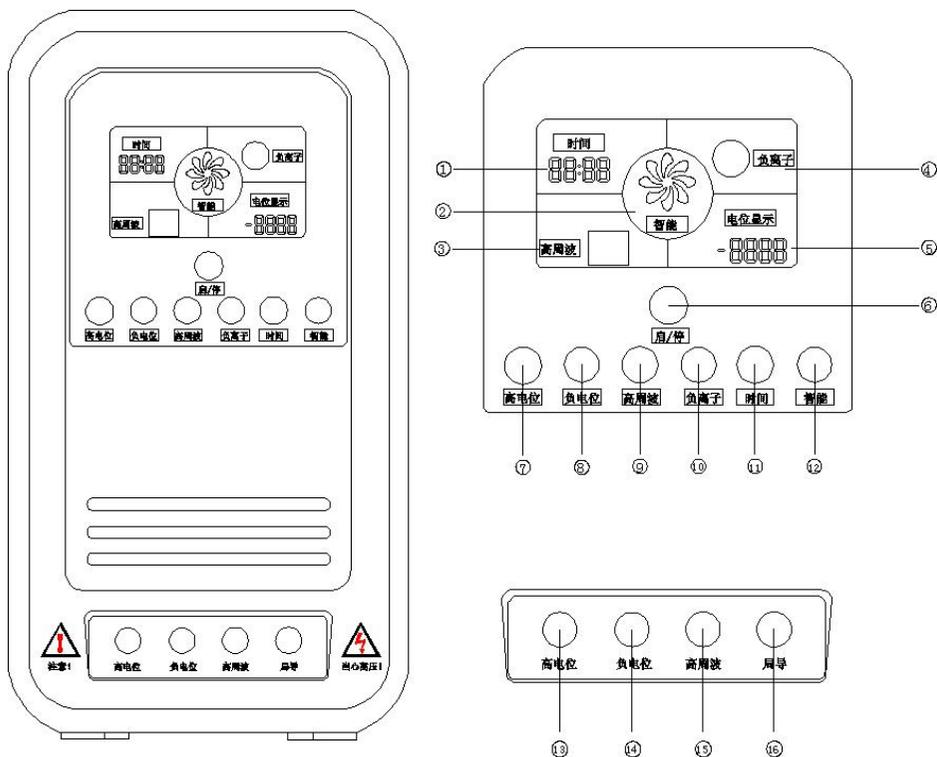
When using negative high voltage output, the negative high voltage electric field will break the original charge distribution of body, the changed charge swims among the tissues and the cells then results in a series of biological\physical\chemical changes which will promote the biological functions 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/50Hz 110V/60Hz
Input Power:	25VA
Fuse:	T1.6AL/250V
HPOT output voltage:	5000V 7000V 9000V
HPOT output frequency:	50Hz 60Hz
Negative potential output voltage:	5000V 6000V 7000V
Negative potential output frequency:	50Hz 60Hz
IF potential output voltage:	2800Vp-p
IF potential output frequency:	80 KHz
Negative ions output concentration:	$\geq 10$ million /cm <sup>3</sup>
Display of reading:	LED Digital Screen
Default treatment time:	30min
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
Working environment:	Ambient temperature: 5°C~40°C
Relative humidity:	$\leq 80$ %
Atmospheric pressure:	860-1060 hPa
Storage Environment:	Temperature range: -40°C~55°C
Relative humidity:	$\leq 80$ %
Atmospheric pressure:	500hPa~1060hPa
Host size:	430mm*240mm*225mm

# III. Structure and Components

## 1. Structure Diagram



## 2. Structure Description

- 1) Time Display: The default display time shows 30:00, its 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) Negative ions output display: When working on negative ions function treatment, negative ions 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 highlighted displaying.
- 10) Negative ions key: After pressing it, negative ions characters and waveform symbols highlighted displaying.
- 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  $\varnothing$  to  $\text{H}$ , 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: 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	9000V, 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 dealer.

## 4. Standard Accessories

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

Standard Accessories		Optional Accessories	
Energy effect cushion	Pain relief handle	Energy effect mattress	Series energy effect cushion
			

# 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 instrument can not use this therapy instrument for treatment simultaneously.**

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

<p><b>Taboo</b></p>	<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></p> <p>May cause serious problem</p>
---------------------	---	--

**The following patients should be agreed by the professional doctors before using the instrument.**

-  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/50Hz 110V/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 instrument 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.
- ⊙ 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.



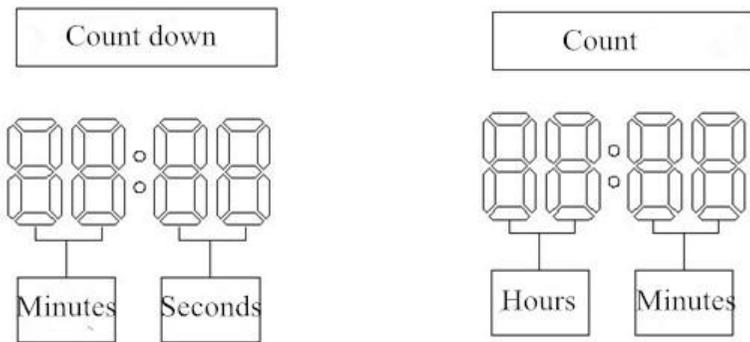
Host High pressure output line Insulated pad Energy effect cushion

- ❶ 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 a insulated pad on the ground for foot placing. See diagram
- ❷ : 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/50Hz 110V/60Hz socket.
- ❸ : Turn on the host power source, Chinese character lightens the demonstration completely, host enters the readiness for action, the timer demonstration is 30:00 minute.
- ❹ : Function choice:
  - 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/negative potential output hole, pressing the intelligent key 11, electric potential output intensity is made by 5 minutes gap intelligence

circulation of output high potential/negative potential.

- 5 : Adjusting time. Presses the time key to set the time, presses 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, 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 20 seconds, the machine would withdraw selected treatment function and treatment time
- 7 : The negative ions 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 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

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 into function output hole.
- ★ Do not serve as this machine outside the healthcare uses arbitrarily.

**For the following situation, please use after the body returns to normal:**

- ★ After drinking wine excessively
- ★ After strenuous exercise
- ★ palpitation exceptionally
- ★ scant of breath

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 mentia 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 60 ~~mins~~ minutes for each time. When the electric potential output is higher than 7000V, it should not exceed 60 minutes for each time. (May refer to time management recommendation table)

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	30minutes for each time	30minutes for each time	Less than 60 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 host function output hole
- ★ Turning on the host power, setting using time
- ★ When the user is completely insulated, pressing the high potential / negative potential key **▲** 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 relief 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 that: 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. Routing 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 instrument. It can be wiped with a damp cloth. Make sure that the instrument 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. It should be timely replaced with new one when the energy pad is damaged, leak and discover "crackling" sound;
6. The energy pad can be wiped and cleaned by wet cloth, and the contaminated cushion is recommended to wipe with ozone water for disinfection;
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 with 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.
  16. As lots of high-precision parts are used in this machine, please do not disassemble this product, or try to repair it by oneself;
  17. Immediately stop using if the instrument is in malfunction. It is not allowed to disassemble the chassis for repairing. It should contact the manufacturer or the dealer to repair promptly.

## 2. Trouble Shooting

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

# Reminding

## 【 Tag Description 】



### **Attention! Warning!**

- 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 instrument.

Before installation of the treatment instrument into operation, please read the following safety precautions and warnings in details.



### **Beware of electric shock!**

- 1)、 The energy jacks of this treatment instrument for high-potential, negative potential, IF potential are output for high voltage. Please turn off the energy output when pulling and plugging to avoid electric shock.
- 2)、 Cutting 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 instrument properly.

### **【 Machine body plate 】**

Product Name: Potential Therapy Instrument	
Model: DW-9202	Safe classification: Class II type B
Fixed power input: 25VA	Voltage/frequency: AC220V/50Hz 110V/60Hz
Product standard No.: YZB/E0853-2011	
Registration ID: SFDA 2012 2261503	
Production License No.: SFDA 20100291	

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

### **【 Environmental statement 】**

---

Earth is our homes, we relying on each other for environmental protection, please do not discard arbitrarily for the host and accessories of this therapy instrument after use!

# VIII. 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, a three years' 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**

Please refer to "Common trouble and remedy" for processing firstly.

If you still can not rule out failure, please kindly contact our service department

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

## **Repairing that expiring the warranty period**

When surpassing warranty period, if it can also continuously use after repair, we may carry on the repair according to the customer's request and charge the essential repair fee.

### **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 underserved due to absence of this procedure. Please understanding!

### **Product Certification**

DW-9202 Potential Therapy Instrument which conforms to products manufacturing standard: EN60601-1 and EN60601-1-2.

Product code is \_\_\_\_\_

The product has successfully passed factory quality inspection.

Tests are as follows:

Appearance and controlling key	√
Output voltage	√
Short-circuit current	√
Pressure Tester	√
Leak test	√

