

Professional ultrasonic therapy instrument

UT-3M

With large LED display



1. Professional ultrasonic therapy instrument model UT-3M uses electronic tube to generate ultrasonic vibration and power output which are converted to the ultrasonic mechanical energy with the same frequency by means of the ultrasonic energy converter, or probe. The mechanical effect of ultrasound on the human tissues is a combined process, which includes the direct effect on human tissues during the conversion of vibration energy to mechanical and heat energy, as well as the indirect response of human tissues to this action.

2. According to its combined mechanical effect, ultrasonic therapy has played a major role in physical treatment. Besides, sine pulse can be generated by UT-3M, therefore, continuous wave and pulse wave may be used selectively to extend the range of ultrasonic therapy. According to the response from the patients, excellent therapeutic effects on the tissues may be produced owing to slight heating effect of the pulsed ultrasound.

3. UT-3M allows fast and visible result with deep penetrations. It is easy to use and contain lots of different functions in order to suit for pains. It stimulates skin without pain and the risk of high voltage burn.

4. Relaxes and reduces pain : the warmth from ultrasonic helps to calm, relax and reduce pain.

5. Cautions:

- a. Sterilize probes, connect machine to probes.
- b. Never leave the probes on any other surface or still position when machine is on. Mechanism inside the probe is highly sensitive and it will cause damage to the probe and the machine.
- c. Must cleanse skin and apply water-base serum or gel before performing ultrasonic. Skin must be kept moist during operation if not, probe will be too hot for skin.
- d. Turn off and unplug the machine after usage just use dry cloth to wipe the machine.
- e. Massage gently, do not apply hard pressure.
- f. Do not turn on machine while it is not in use since it can damage both the machine and probe.
- g. Do not perform on the people with following symptoms:
 - i. Body temperature is 38 degrees or higher.
 - ii. Heart disease.
 - iii. High blood pressure.
 - iv. Pregnant women. Also do not perform ultrasonic on tummy area if menstruation arrives.