HOUSEHOLD ULTRASONIC CLEANER
USER MANUAL

Thanks for purchasing this ultrasonic cleaner. Please read these operating instructions before use and keep the user manual for future reference. Failure to follow the instructions may lead to serious personal and damage to the product.

FEATURES

- 42KHz for intensive rinse
- Free time setting among 90~720S
- Degas mode for a better cleaning effect
- Die-casting SUS304 stainless steel tank
- Long service life and high stability

ULTRASONIC PRINCIPLE

Ultrasonic cleaning is based on the cavitation effect caused by high frequency ultrasonic wave vibration signal in the fluid. Microscopic bubbles are formed, and then implode violently causing the cavitation which create an intense scrubbing action on the surface of the item being cleaned. The bubbles are small enough to penetrate microscopic crevices, cleaning them thoroughly and consistently. Ultrasonic cleaning is extremely effective at removing dirt and grime which would normally require tedious manual cleaning by hand. It has been used to clean a wide variety of instruments and mechanical parts such as carburetors, returning them to almost "like new" condition without damage to delicate parts.

APPLICATIONS

This list is almost endless. Provided the product is non porous and can normally be immersed in water, they can be thoroughly cleaned. Here are some examples:

- Jewelry especially gold, silver & platinum
- Watchstraps
- Coins and other collectibles
- Small PCB Boards
- Electrical components
- Make-up cases

Ultrasonic cleaning is not recommended to be used to clean the following gemstones: Opal, Pearl, Emerald, Tanzanite, Malachite, Turquoise, Lapis and Coral.

OPERATION

TIME   DEGAS

ON/OFF   Time Indicator

1. Open the lid and fill the stainless steel tank with a certain amount of cleaning solution which can cover suffs to be cleaned in the tank and whose liquid level is lower than the max liquid level.

NOTE: If the device works without water or solution, it may get damaged. In order to get a good cleaning effect consideration, the stuffs to be cleaned should be fully-immersed, but not overlapped as far as possible.

2. Close the lid and insert the plug so as to make the green LEDs display the default cleaning time, i.e. "180S".

3. Press the "TIME" button to switch the cleaning time in the following time circulation: 90→ 120 → 150→ 180→ 210→ 240→ 270→ 300→ 330→ 360→ 540→ 720 (12 cleaning time in total). The cleaning time can be reset to the default 180S by keeping pressing the "TIME" button.

4. Press "ON/OFF" button once to make the machine start cleaning. When the preset time counts down to zero, the device will stop cleaning and the LEDs of time will display the preset cleaning time again. Besides, the ultrasonic cleaning can also be suspended or recovered by pressing "ON/OFF" once.

NOTE: If there is no operation for 3 minutes, the LEDs shall stop displaying the preset cleaning time. However, the time display can also be waked up by one press of any button.
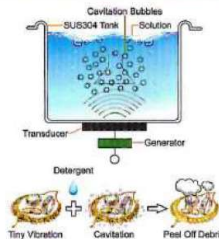
5. Press "DEGAS" button once to start degas mode which makes the device be in a work circulation of 7-seconds cleaning and 1-second pause.

6. Unplug the power cord, pour the cleaning solution, clean the tank and the housing with a clean cloth.

7. In order to enhance the cleaning effect, it is recommended to add appropriate amount of detergent into the cleaning solution or prolong the cleaning time.

NOTE: For the consideration of a long service life, please make the machine have at least 4 minutes' break after a continuous work of 30 minutes and then restart it again.

SAFETY PRECAUTIONS

- Don't remould this machine.
- Don't use any volatile solutions whose gas is flammable or explosive.
- Make sure that the voltage value is within the default voltage range.
- Make sure that the ground wire is well-connected with the machine before use.
- Please prevent the control panel from being eroded by detergent, acid or alkali solution etc.

SOLUTIONS OF COMMON PROBLEMS

- Ultrasonic cleaning does not work:
  A. The power cord is not connected;
  —— Check the power connection and plug the power cord.
  B. The circuit problem;
  —— Change the circuit or consult the after-sale service department.
  C. Other reasons.
  —— Ask the after-sale service department for a solution.
- The time setting does not work:
  —— Reset the power;
  —— Change the touch control panel;
  —— Consult the after-sale service department.
- Bad cleaning effect:
  —— Prolong the cleaning time;
  —— Change the cleaning solution concentration;
  —— Choose the right detergent.
- Other problems:
  —— Consult the after-sale service department.

SPECIFICATIONS

Ultrasonic Frequency:	42KHz	Ultrasonic Power:	35W
Tank Material:	SUS304	Housing Material:	Plastic
Capacity:	600mL	Tank Size:	155*98*52mm
Overall Size:	200*140*138mm	Package Size:	230*170*168mm
Net Weight:	915g	Gross Weight:	1.1kg
Time Control:	90~720 seconds,12 cleaning time optional		
Input Voltage:	AC100-120V,50/60Hz(US) OR AC 220-240V,50/60Hz(EU)		