



User's Manual

SUN-UC-JM40S

Ultrasonic Cleaner

English

Table: SUN-UM-PCPL-UC001

Version: A/0

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Safety Instructions

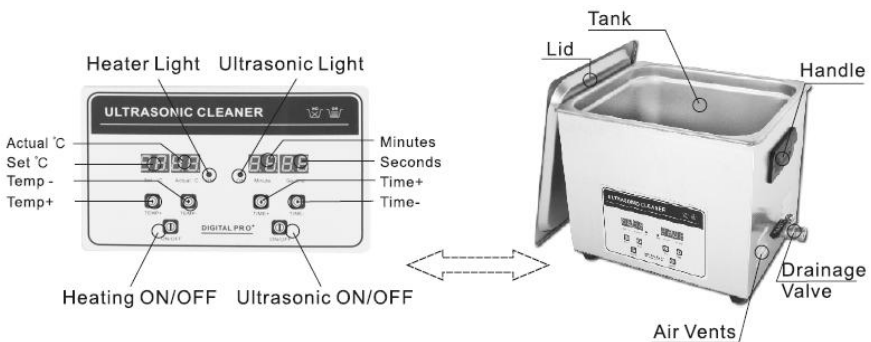
Before using your ultrasonic cleaner, please read the manual thoroughly. Failure to follow it may result in serious personal injury or property damage. Ensure the power supply is in rated range before power cable is connected. Refitting is strictly prohibited! Attention that the control panel will be eroded by organic solution, strong acid and strong alkali.

- Ensure the earth wiring is well connected before starting.
- Ensure the power key or knob is on the “OFF” place before starting.
- Do not operate if the tank is empty, or ultrasonic generator will be damaged. If heating is needed, the water level should not be less than 2/3.
- Please close the lid to reduce noise and pay attention to water and steam in case of burning skin while open the lid.
- Do not relocate the machine when fluid in the tank in case of overflow.
- Suggest using water-soluble liquid for ultrasonic cleaners. Strong acid or flammability cleaner is forbidden.
- Do not use the machine in severe environment:
 - The place where temperature changes fiercely
 - The place where humidity is too high and is easy to produce dew
 - The place where vibration or impact is strong
 - The place where exists corrosive gas or dust
 - The place where water, oil or chemicals splash
 - The place where is filled with explosive and flammables gas
- Shorten the daily working time. Suggestion is to stop for a few minutes for heat dissipation after working over 30 minutes.

1. Application

PCB, Jewelry, electronic components, car parts, hardware, metal tools, computer parts, laboratory instruments, clock and watches, eyeglasses, contact lens, dentures, dental tools, DVD and VCD, golf, table-ware, printer inkjet, seal and comb, toothbrush, coins, fiber optic patchcord production, etc.

2. Product Function Panel



3. Specifications

Parameter	Specification	
Control Method	Digital control timing	
Frequency (KHz)	40	
Capacity (L)	10	
Power	Ultrasonic	240
	Heating	200
Timing Range (Mins)	1~30	
Temperature Control Range (°C)	20~80	
Dimension (mm)	Tank	300(L) x 240(W) x 150(H)
	Cleaner	380(L) x 290(W) x 280(H)
Weight (Kg)	8.4	



4. Operation

- Before starting the equipment, check the machine to see if there is loosen parts.
- Keep the unit on a stable and flat working platform in dry and cool environment.
- According the size and quantity of washing objects, add little bit detergent in the tank which can help improve the cleaning effect. (Empty tank working is forbidden!)
- Ensure correct power and switch connect before starting the equipment.
- **Time setting:** when power is connected, the default setting is “05:00”. Press **TIME+** once will increase time by 1 min; press **TIME-** once will decrease time by 1 min.
- **Temperature setting:** When power is connected, the default setting is “50 ℃” and actual is room temperature. Press **TEMP+** once will increase temperature by 1 ℃, press **TEMP-** once will decrease temperature by 1 ℃. If the setting temperature is lower than the actual tank temperature, the operation will stop automatically. When the temperature rises to the setting temperature, the indication light goes off. When ultrasonic work, two temperature screen shows set temperature and actual temperature has been reached.
- After setting the time and temperature, press **ON/OFF** once the equipment will work automatically. Press **ON/OFF** again the work process will stop. Then switch off the unit and disconnect the power supply, empty out the liquid and clean the tank and the unit with clean cloth for next use.
- **Adjust power:** The function is only available for power adjustable models! Rotate slowly the power knob clock-wise increase the power from 40% to 100%, and the counter-clockwise slowly is to decrease sonic power.



- **Maintenance:** The unit must be opened by authorized specialized person only for the maintenance and care of it.
- Clean the contaminant on the tank frequently.

5. Trouble clearing

No.	Problems	Possible Causes	Solutions	Remarks
1	No Ultrasonic	A. Power supply not connect B. Fuse broken C. Cable short circuit D. Transducer short circuit E. PCB board broken F. Other reasons	A. Check and plug the power switch B. Check the fitted power supply and change the same specification fuse C. Connect fitted cable or replace a new D. Inquiry our after service engineer E. Check the broken part and change it	
2	Time control failure	A. Timer knob out of control B. Time failure C. Other reasons	A. Loosen or tighten the screw B. Replace timer or digital panel C. Inquiry our after service engineer	
3	No heating	A. Heater power switch bad linkage B. Fuse burn out C. Heating pad	A. Check heating plug and connect well, check outlet line with multimeter, if ok and resistance value is	suggestion 5 0 - 6 0°C



		burn out E. Digital display board out of control D. Other reasons	few hundred OHMs B. Change the same specification fuse C. Replace the bad heating pad is open circuit D. Check the broken part and change it E. Inquiry our after service engineer	
4	Temperature control failure	A. Thermostat loosen B. Thermostat tube broken D. Digital display out of control C. Other reasons	A. Fasten the thermostat header B. Replace thermostat C. Check the broken part and change it D. Inquiry our after service engineer	
5	Not well cleaning	A. Not strong ultrasonic cleaning B. Too high too low liquid surface C. Too high too low temperature D. Not suitable cleaning liquid E. Other reasons	A. Connect ultrasonic button and adjust B. Adjust liquid into the best surface C. Adjust temperature into the most fitted. D. Stop and switch off power supply, replace suitable liquid after the previous liquid cool down E. Inquiry our after service engineer	suggestion 5 0 - 6 0 °C



6	Electric leakage	A. Customer side not grounded B. Machine not grounded	A. To ensure grounded B. Check if machine earth wire loosen	
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