



Digital Pro Ultra 2100 & 3000

Instruction Manual



Please read the manual carefully before operation.

1. Working Conditions

■ Do not use the product under the following conditions:

- Where the temperature fluctuates often.
- Where it has high humidity and moisture.
- Where cavitation is strong
- Where corrosive gas or dust exist
- Where water, oil, or chemicals splash.
- Where it is easy to cause an explosion.

2. Ultrasonic working principle:

The ultrasonic cleaner uses transducers to generate sound waves; frequency is 28/40KHz. When the sound waves travel through the liquid, millions of tiny bubbles form and burst continuously. This process is called a “*cavitation*” effect. The bursting bubbles scrub everywhere the liquid can penetrate. Intricate surfaces and difficult to access areas, such as burs, endodontic files, serrated instrument handles, and hinged instruments, are cleaned more thoroughly and rapidly with no damage to the object being cleaned. Cavitation is the basic fundamental of ultrasonic.

Our Digital Pro Ultra serious ultrasonic cleaners takes cleaning parts to a whole new level!

3. Cautions before starting the machine:

- Place all buttons on “OFF”.
- Do not let parts contact the bottom directly or it may damage the transducers or tank.
(Put small objects in basket to clean)
- Cleaning liquid is ready in tank (We recommend Ultra 1,2, or 3!) Tank Cannot be

used empty!

- Do not let the liquid splash onto the electronic parts, especially transducers.
- Start the ultrasonic when liquid reaches desired temperature.
- Keep the machine in a cool, dry environment. **NO FREEZING TEMPS!**
- Cover tank with lid to reduce noise and avoid evaporation.
- Wash the tank if there is a lot of debris in the tank.
- Do not drain liquid out if liquid is not close to room temperature, to avoid damaging heating element.
- Do not move the machine when there is liquid inside tank to avoid splashing.
- Machine power supply is 120v@15A for the U2100 and 120v@20A for the U3000 and must be grounded.

4. Main parameters:

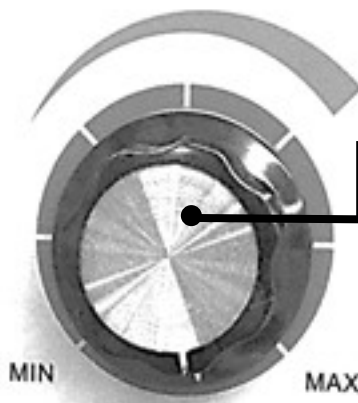
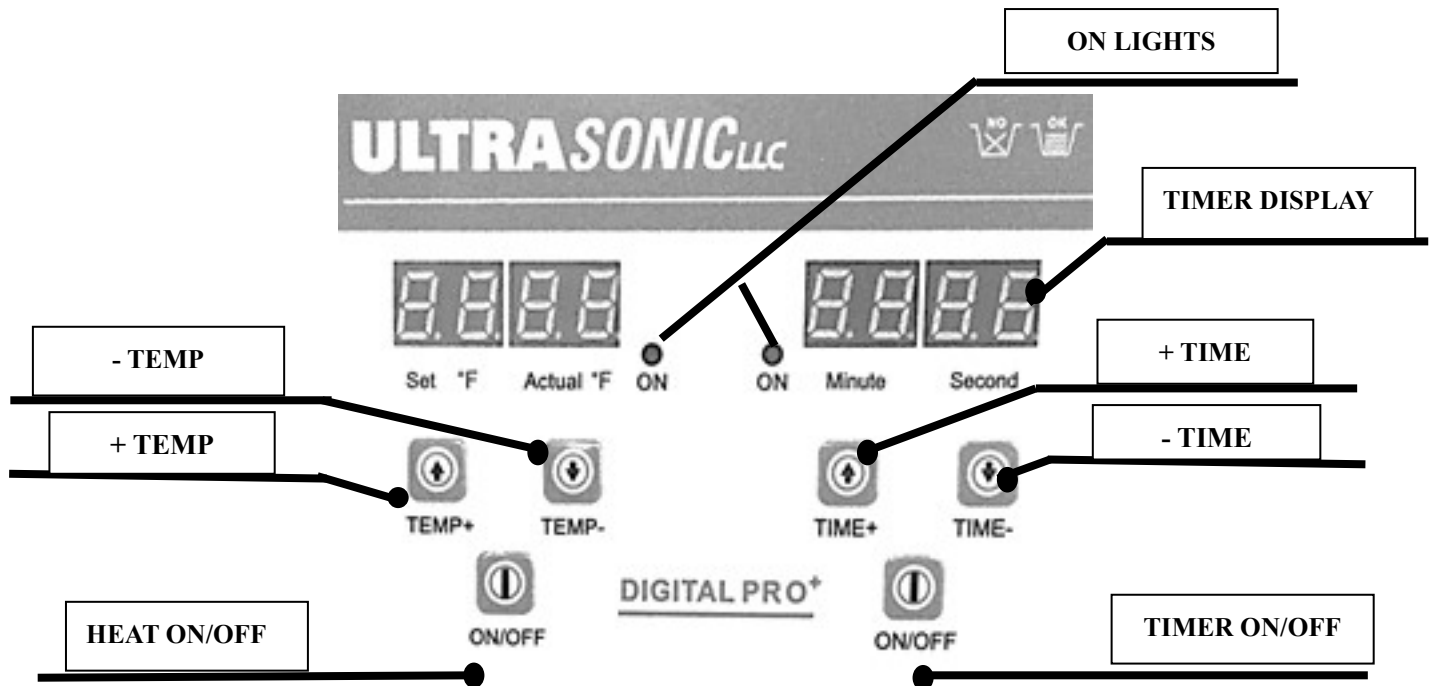
Model	Tank size	Ultrasonic power	Heating power	Ultrasonic frequency	Capacity	Power
U2100	21.6*15.7*13.7"	1200W	1000W	28/40kHz	20 gal (77L)	120v@15A
U3000	31.4*11.8*15.7"	1500W	2000W	40KHz	25gal (96L)	120v@20A

5. Instructions:

- Keep machine on the flat floor and must be grounded.
- Connect power cable correctly.
- Connect the drain pipe with factory drainage system.
- Add water and Detergent.
- Set temperature based on requirement and turn on the heater switch.

Adjust ultrasonic power to Min., then start ultrasonic and adjust ultrasonic power to requirement after normal vibration.

Digital Pro Ultra Control Panel



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6. Maintenance:

- Use compressed air to clean dust off the control system regularly.
- Clean the tank regularly.

7. Trouble clearing:

Item	Questions	Possible reasons	Solutions	Remarks
1	No ultrasonic	A、 Power supply not connected B、 Fuse broken C、 Cable short circuit D、 Transducer short circuit E、 Other reasons	Check plug and power switch Check fitted power supply and fuse Connect fitted cable or replace a new contact our service department	
2	Not 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	Connect ultrasonic button and adjust Adjust liquid into the best surface Adjust temperature into the most fitted Stop and switch off power supply, replace suitable liquid after the previous liquid cool down. contact our service department	Suggestion 122-140°F
3	No heating	A、 Heating power switch bad linkage B、 Fuse broken C、 Other reasons	Check heating plug to correct connect Check outlet line with multimeter: if OK and resistance value is few hundreds then replace fuse. If not OK,it's short circuit, replace heater. contact our service department	Suggestion 122-140°F
4	Temperature control failure	A、 Thermostat loosen B、 Thermostat tube broken C、 Other reasons	Fasten the thermostat header replace thermostat contact our service department	
5	Timer control failure	A、 Timer knob out of control B、 Timer failure C、 Other reasons	Loosen or tighten the screw Replace timer or digital panel contact our service department	
6	Electric leakage	A、 Customer side not grounded B、 Machine not grounded	To ensure grounded Check if machine earth wire loosen	
7	Other problems		contact our service department	

Warranty card

Ultrasonic LLC Cleaner			
Model	<input type="checkbox"/> U2100 <input type="checkbox"/> U3000		
Out-of-factory	2020.12.18		
Machine no.	/		
Working volt	AC 120V 60HZ		
Max power	<input type="checkbox"/> 1200W(U2100) <input type="checkbox"/> 1500W(U3000)		
Date Purchased	___/___/___		
Maintenance record			
	Maintenance	Service	Date
01			
02			
03			
04			
05			
06			
07			
08			
09			
10			



Heavy-duty

Looking for the best clean out of your machine?

Look no farther than Ultra 1, 2, or 3!!!

Heavy-duty immersion and carbon cleaner ultrasonic cleaning solution provides aggressive cleaning for the heaviest soils found in a wide range of industries.



Moderate-duty immersion and ultrasonic cleaning solution provides aggressive cleaning for the heaviest soils found in a wide range of industries.



Multi-purpose immersion and ultrasonic cleaning solution provides combination of clean-ability and recyclability produced in a safe formulation.

