

Durasonic DS2.5L

DuraSonic 2.5L Digital Ultrasonic Cleaner

MODEL: DS2.5L INSTRUCTION MANUAL

1. Introduction

This manual provides essential information for the safe and effective operation of your DuraSonic 2.5L Digital Ultrasonic Cleaner. Please read these instructions thoroughly before initial use and retain them for future reference. This device is designed for professional cleaning of various items using ultrasonic waves and heat.

2. Safety Instructions

- Always ensure the unit is placed on a stable, level, and heat-resistant surface.
- Do not operate the unit without liquid in the tank. Dry running can cause damage.
- Ensure the power cord is securely connected and not damaged. Do not use if the cord is frayed or damaged.
- Keep the unit away from water splashes or excessive humidity. Do not immerse the unit in water.
- Always unplug the unit from the power outlet before filling, emptying, cleaning, or performing any maintenance.
- Do not touch the tank or cleaning solution during operation, as it may become hot.
- Use only cleaning solutions recommended for ultrasonic cleaners. Avoid flammable, corrosive, or abrasive solutions.
- Keep out of reach of children and unauthorized personnel.
- Ensure adequate ventilation when operating, especially if using specialized cleaning solutions.

3. Package Contents

Verify that all items are present in the package:

- DuraSonic 2.5L Digital Ultrasonic Cleaner Unit
- Stainless Steel Cleaning Basket
- Stainless Steel Cover

- Power Cord
- Instruction Manual



Figure 3.1: The DuraSonic 2.5L Digital Ultrasonic Cleaner shown with its stainless steel basket, cover, and power cord.

4. Product Overview

The DuraSonic DS2.5L features a durable stainless steel tank and an intuitive digital control panel for precise cleaning operations.



Figure 4.1: Front view of the DuraSonic 2.5L Digital Ultrasonic Cleaner, highlighting the control panel and tank.

4.1 Control Panel Features



Figure 4.2: Detailed view of the control panel, showing the display, temperature knob, and function buttons.

- **Digital Display:** Shows preset and actual temperature, time, and heating status.
- **Temperature Control Knob:** Adjusts the desired heating temperature in Celsius or Fahrenheit.
- **Degas Button:** Initiates the degas function to remove dissolved gases from the cleaning solution, improving ultrasonic efficiency.
- **Sweep Button:** Activates the sweep function, which slightly varies the ultrasonic frequency to ensure uniform cleaning throughout the tank.
- **+5 / -5 Buttons:** Adjusts the cleaning time in minutes or seconds.
- **On/Off Button:** Powers the unit on or off and starts/stops the cleaning cycle.

4.2 Cleaning Basket



Figure 4.3: The stainless steel cleaning basket, designed to hold items during ultrasonic cleaning. The included stainless steel basket is used to hold items being cleaned, keeping them suspended in the solution and preventing them from resting directly on the tank bottom, which can impede ultrasonic action.

5. Setup

1. **Placement:** Place the ultrasonic cleaner on a firm, level, and dry surface. Ensure there is adequate space around the unit for ventilation.
2. **Power Connection:** Connect the power cord to the unit and then plug it into a grounded electrical outlet.
3. **Fill Tank:** Open the cover and carefully fill the stainless steel tank with the appropriate cleaning solution. Ensure the liquid level is between the MIN and MAX marks inside the tank. Do not overfill or underfill.
4. **Load Items:** Place the items to be cleaned into the stainless steel basket. Lower the basket into the cleaning solution. Ensure items are fully submerged but not touching the tank bottom.
5. **Close Cover:** Place the cover securely on the unit.



Figure 5.1: Top-down view showing the cleaning basket properly placed inside the tank, submerged in solution.

6. Operating Instructions

1. **Power On:** Press the **On/Off** button to power on the unit. The digital display will illuminate.
2. **Set Temperature:** Rotate the **Temperature Control Knob** to set the desired cleaning solution temperature. The display will show the preset temperature and the actual temperature. The heating indicator will light up when heating is active.
3. **Set Cleaning Time:** Use the **+5** and **-5** buttons to adjust the cleaning duration. The display shows time in minutes and seconds.
4. **Degas Function (Optional):** For new solutions or after prolonged inactivity, press the **Degas** button.

This removes dissolved gases from the liquid, which can interfere with ultrasonic efficiency. Run for 5-10 minutes.

5. **Sweep Function (Optional):** Press the **Sweep** button to activate the sweep function. This slightly modulates the ultrasonic frequency to provide more uniform cleaning throughout the tank, reducing standing waves.
6. **Start Cleaning:** Once temperature and time are set, press the **On/Off** button again to start the ultrasonic cleaning cycle. The timer will begin counting down.
7. **End of Cycle:** The unit will automatically stop when the set time expires. An audible alert may sound.
8. **Remove Items:** Carefully open the cover, lift the basket, and remove the cleaned items. Rinse them with clean water if necessary and dry thoroughly.
9. **Power Off:** Press the **On/Off** button to turn off the unit. Unplug from the power outlet when not in use.

7. Maintenance

- **Draining the Tank:** After each use or when the solution becomes dirty, unplug the unit. Carefully pour out the used cleaning solution.
- **Cleaning the Tank:** Rinse the stainless steel tank with clean water. Use a soft cloth to wipe away any residue. Do not use abrasive cleaners or scrubbers.
- **Exterior Cleaning:** Wipe the exterior of the unit with a damp cloth. Avoid getting water into the control panel or ventilation openings.
- **Storage:** Ensure the unit is clean and dry before storing. Store in a cool, dry place away from direct sunlight.
- **Basket and Cover:** Clean the basket and cover with soap and water, rinse, and dry thoroughly.

8. Troubleshooting

Problem	Possible Cause	Solution
Unit does not power on.	No power supply; damaged power cord; unit malfunction.	Check power cord connection and outlet. Ensure the power button is pressed. If problem persists, contact support.
No ultrasonic action.	No liquid in tank; timer not set; unit malfunction.	Ensure tank is filled with liquid. Set cleaning time and press On/Off to start.
Heating not working.	Temperature not set; unit malfunction.	Rotate the temperature control knob to set a desired temperature. Allow time for heating.
Poor cleaning results.	Incorrect cleaning solution; insufficient cleaning time; items too crowded; solution needs degas.	Use appropriate cleaning solution. Increase cleaning time. Do not overload basket. Use Degas function.

9. Specifications

Feature	Specification
Model	DS2.5L
Tank Capacity	2.5 Liters
Tank Material	Stainless Steel
Heating Temperature Range	Approximately 30-75°C (80-170°F)
Timer Settings	Digital, Min:Sec adjustable
ASIN	B0725JBKCV
Date First Available	May 10, 2017

10. Warranty and Support

The DuraSonic 2.5L Digital Ultrasonic Cleaner comes with a **2-year limited warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use.

For warranty claims, technical support, or service inquiries, please refer to the contact information provided with your purchase documentation or visit the official DuraSonic website.