



ULTRASONIC CLEANER NUCB-107



info@labnics.com



www.labnics.com

Ultrasonic Cleaner NUCB-107

Index

Sr.no	Title	Page no
1.	Safety Measures	2
2.	Introduction	3
3.	Features	3
4.	Specifications	4
5.	Applications	4
6.	Instrument Introduction	5
7.	Installation	6
8.	Operations	7
9.	Maintenance	8
10.	Accessories	9

1. Safety Measures



Keep Out of Reach of Children!

This device is not intended for use by individuals with limited physical, sensory, or mental abilities, or those lacking experience or knowledge, including children, unless supervised by a capable guardian or trained professional.



Kindly read the following terms carefully, as failure to comply may invalidate your guarantee.

Preventing Electric Shock:

- 1. Do not operate continuously for more than one hour** – Extended use can damage the internal components.
- 2. Ensure fluid level is correct** – Do not operate the unit without fluid in the tank. Fluid should not exceed the maximum mark, and a minimum depth of 7 cm is required.
- 3. Handle items with care** – Do not drop items into the tank; place them gently. Use the basket whenever possible to protect the transducer.
- 4. Avoid overcrowding** – Overloading the cleaning bath reduces efficiency. Do not overlap items; ensure there is adequate space between them.
- 5. Keep the lid on during use** – This helps prevent splashes and minimizes fluid evaporation.
- 6. Never immerse the machine or power cord in liquid.**
- 7. Do not touch the power plug with wet hands**, especially when inserting or removing it.
- 8. Avoid contact with the unit if it falls into the water** – Unplug the power from the socket before attempting to remove it.
- 9. Do not disassemble the machine** unless done by a professional.
- 10. Unplug the power source** when filling or emptying the tank.
- 11. Avoid spraying water or liquid over the device and control panel.**
- 12. Ensure proper grounding** of the unit during operation.
- 13. Place on a firm, hard surface** – Avoid soft surfaces that could block ventilation.
- 14. Turn off the heater and disconnect power** after completing the cleaning cycle.
- 15. Exercise caution with hot fluid** – Fluid may be hot during and after cleaning, and any spills should be cleaned up immediately to prevent internal damage.
- 16. In case of failure or emergency**, immediately disconnect the unit by removing the plug from the socket.

2. Introduction

Ultrasonic Cleaner NUCB-107 is a digital benchtop ultrasonic bath that provides effective cleaning and degassing function by utilizing high frequency waves. These waves agitate the liquid and result in deep cleaning of the parts to be cleaned. Designed of stainless steel, the cleaner is equipped with industrial grade transducer, resulting in improved cleaning effect. Since these are user-friendly, they are employed across various fields for easy cleaning of various parts.

3. Features

- ✓ Digital LED, touch-type key control
- ✓ Adjustable heater and timer functions
- ✓ Equipped with lid and cleaning basket
- ✓ 3-piece industrial grade transducers
- ✓ Include degassing function
- ✓ Embossed high-grade stainless design

4. Specifications

Model No.	NUCB-107
Tank capacity	22 L
Tank material	Stainless steel SUS304
Body material	Stainless steel SUS304
Tank size (L × W × H)	500 × 300 × 150 mm
Unit size (L × W × H)	530 × 325 × 285 mm
Frequency	40 KHz
Heating power	600 W
Ultrasonic power	480 W / 240 W
Timer	Digital, 0-30 min
Heater	Digital control, 20~80 °C
Display	LED
Drainage valve	Yes
Voltage	AC 100~120V 60Hz ; AC 220~240V 50Hz
Gross Weight	13.7 kg

5. Applications

Widely utilized across various fields namely medical and dental, life science, petrochemical industry and food industry.

6. Instrument Introduction

C-Series Ultrasonic Cleaner

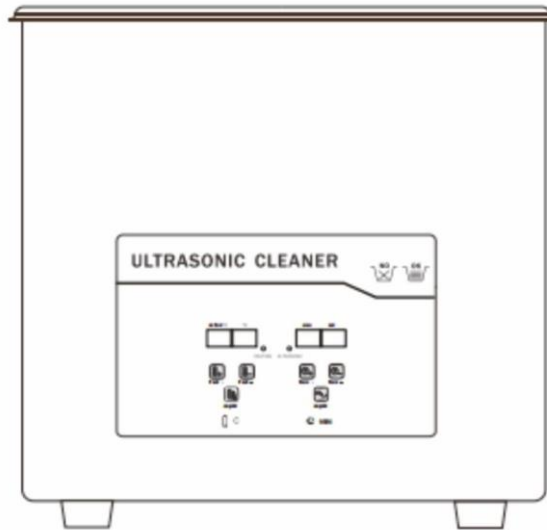


Fig 1

Function Button Description

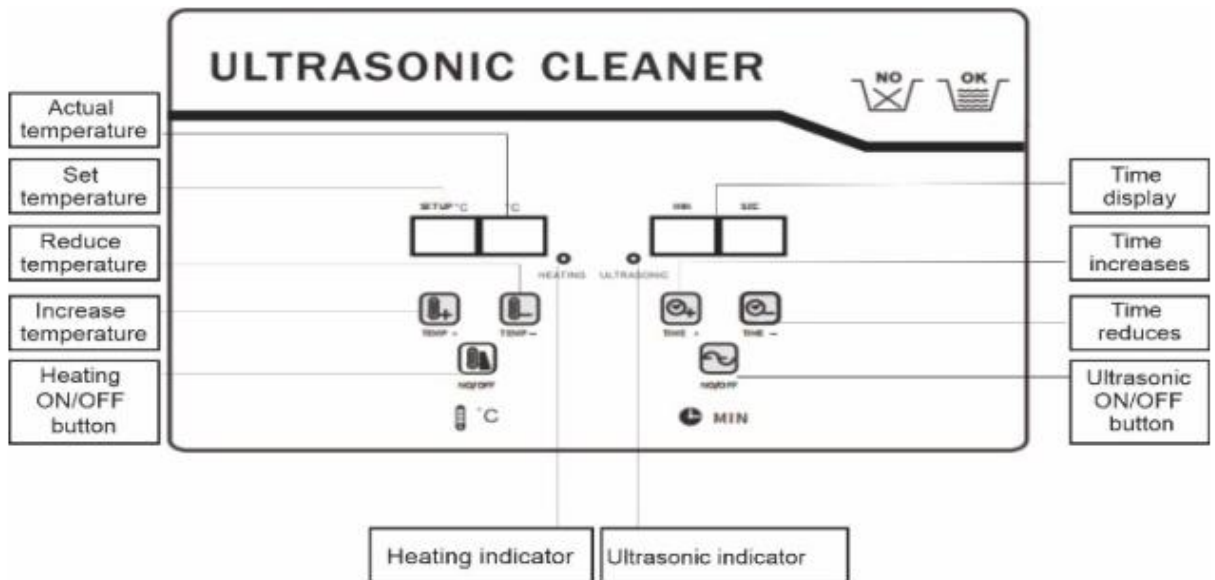


Fig 2

7. Installation

1. Preparation

- Carefully unpack the cleaner and remove all packing materials. Inspect the cleaner visually for any loose or damaged parts that may have occurred during transit.
- Position the cleaner on a flat, clean surface that allows for proper ventilation for the cooling fans. Ensure all controls are turned off and that the drain tap is closed.
- Make sure the power cord is securely connected to the cleaner and that no part of the cord is in contact with moisture.
- Gently fill at least half of the tank with a solvent solution. For more effective cleaning, we recommend adding a small amount of washing-up liquid to enhance performance. The cleaner is now ready for use.



Attention:

While the machine is working normally, ultrasonic and tank syntonny gives a well-proportioned sound, and no shudder on the surface of the water, yet there is a spray made by the tiny bubbles. If there are discontinuous surges, kindly add or release a little washing solution in the tank, stopping the surges is better for object cleaning.

8. Operations

Operation Guidelines

Step	Action
1	Select your cleaning solution and fill at least ½ of the solution into the tank. Do not exceed the filling line. Note: Do not ever use alcohol, gasoline or flammable solutions. Doing so could cause a fire or explosion. Use only water-based solutions.
2	Place the items into a basket, slowly lower the basket into the tank and do not allow items to contact the tank bottom (the solution should cover the items).
3	Plug the cleaner into the grounded outlet. After the power is on, the temperature display is the environment temperature. Temperature default setting is 25°C, time default setting is 5 minutes
4	Time setting: Press the "TIME+" or "TIME-" button to setting 1-30 the cleaning time. Each pressing increases / reduces the time by 1 minute.
5	Temperature setting: Press the "TEMP+" button to set the temperature, each pressing increases the temperature by 1°C. Press and hold this button, the temperature can be adjusted continuously. Press the "TEMP-" button to reduce the temperature. Each pressing reduces the temperature by 1°C. Press and hold this button and the temperature can be reduced continuously. (When the temperature is lower than the actual temperature, the operation is invalid. When the temperature reaches the set temperature, the heating indicator light turns off. When the ultrasonic is working, the temperature displayed on the panel is the actual temperature of the liquid.)
6	After the time and temperature settings, press the ON/OFF button to start both functions.

9. Maintenance

A great variety of waterproof items can be cleaned with proper cleaning solutions. (Some specific items should be cleaned in Oily solvent) Here are some examples:	
Health and Beauty	Beauty and Chiropody Institutes: Scissors, scalpels, pincers, nippers, forceps and razors with the removal of organic tissue before sterilization.
Dental	Dental Practices and Dental Technician Laboratories: Dental instruments, removing organic and blood residues, cleaning handpieces, drills and heads for ultrasonic ablaters, glass objects and mirrors; the removal of cement from spatulas and plaster from prostheses.
Hospital and Laboratories	Hospital Wards and Analysis Laboratories: Endoscopic probes, surgical instruments and glass containers in analysis laboratories with the removal of proteins, blood and organic tissue. Tattoo Studios: Grips, tips and needles.
Jewellery	Necklaces, bracelets, rings, precious stones, watch casings and straps, precision mechanical movements.
Optical	During edging and polishing, debris and abrasives can scratch lenses. Ultrasonic cleaning can effectively protect the lenses.
Manufacturing	Aerospace, Pharmaceutical, Automotive, Marine, Filtration, Moulding, Food and Beverage, Plating & Surface Finishing, Semi-Conductors.
Maintenance	Bicycle gears, air purifiers. It cleans out debris in tiny holes and crevices effectively.

Items Not Suitable for Ultrasonic Cleaning

- **Soft Jewellery:** Pearls, Emerald, Ivory, Coral Agate, Sea turtle Shells, etc.
- **Welded, Plated and Glued Items:** Welded or plated metal items, glued items.
- **Watches:** Except for diver's watches with a depth rating over 50m(150ft).
- **Others:** Ceramic, camera filters with preexisting cracks.

10. Accessories

Standard Accessories

Accessories No.	Name
1	Stainless steel cleaning basket



Labnics Ltd.

Unit 2D Station House, 1 Pembroke Broadway, Camberley,
Surrey GU15 3XD United Kingdom
Email: info@labnics.com | Website: www.labnics.com