LCD Ultrasonic Cleaner - Digital Ultrasonic Bath with Degas - 40 kHz - 10L 15L 22.5L, RT-80°C

Model **MSUSC1040DIISWISS, MSUSC1540DIISWISS, MSUSC2240DIISWISS** | Brand **Master Science**





The Master Science LCD Ultrasonic Cleaner is a 40 kHz laboratory ultrasonic bath with a 3.2-inch LCD that shows model, ultrasonic power, frequency, time, temperature and other parameters together. It is available with 10 L, 15 L and 22.5 L tanks, each formed from 304 stainless steel.

KEY HIGHLIGHTS

- All parameters at a glance
- Efficient degassing
- Saved programmes
- Protected operation

AT A GLANCE

RT to 80°C	600 / 600 / 1000 W
TEMPERATURE RANGE	HEATING POWER

Request a Quotation
Contact us for pricing, configuration options and delivery details.

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www.themsci.com

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Overview

Power can be adjusted from 10% to 100%, the liquid can be heated up to 80°C and the timer runs from 1 to 9999 minutes. A dedicated degas function removes dissolved gas quickly for more efficient cleaning, and user memory lets the Master Science LCD Ultrasonic Cleaner recall preferred settings at the touch of a key.

Basic ultrasonic baths give little feedback and no protection. The Master Science LCD Ultrasonic Cleaner helps with:

Key Benefits

All parameters at a glance
The LCD shows power, frequency, time and temperature at the same time.

Efficient degassing
Degas mode removes dissolved air for stronger cavitation.

Saved programmes
User memory stores working parameters for repeat jobs.

Protected operation
Over-temperature, over-voltage and over-current alarms with buzzer.

For a smaller tank, see our power-adjustable ultrasonic cleaner 3L to 30L.

Technical Specifications

GENERAL	
Brand	Master Science
Model Number	MSUSC1040DIISWISS, MSUSC1540DIISWISS, MSUSC2240DIISWISS
SKU	MSUSC1040DIISWISS, MSUSC1540DIISWISS, MSUSC2240DIISWISS
Brand	Master Science
Models	MSUSC1040DIISWISS (10 L), MSUSC1540DIISWISS (15 L), MSUSC2240DIISWISS (22.5 L)
SKU	MSUSC1040DIISWISS, MSUSC1540DIISWISS, MSUSC2240DIISWISS
Temperature Range	**RT to 80°C**
Timer	1 to 9999 min
Included	Stainless steel basket, water level mark, sound-reduction lid, drainage system
Display	3.2-inch LCD

POWER	
Ultrasonic Frequency	40 kHz
Ultrasonic Power	200 / 400 / 500 W
Power Adjustment	10% to 100%
Heating Power	600 / 600 / 1000 W

DIMENSIONS & WEIGHT	
Tank Size (L × W × H)	10 L: 300 × 240 × 150 mm; 15 L: 330 × 300 × 150 mm; 22.5 L: 500 × 300 × 150 mm
Machine Size (L × W × H)	10 L: 320 × 270 × 340 mm; 15 L: 400 × 460 × 460 mm; 22.5 L: 530 × 320 × 380 mm

PROBLEMS THE MASTER SCIENCE LCD ULTRASONIC CLEANER SOLVES	
Guessing the settings	All key parameters are displayed together on the LCD.
Reduced cleaning from dissolved gas	Degas mode prepares the liquid quickly.
Re-entering parameters every time	Stored programmes save time.
Undetected electrical faults	Over-voltage, over-current and over-temperature alarms warn the user.
Noise in the lab	A sound-reduction lid lowers operating noise.

Applications

The Master Science LCD Ultrasonic Cleaner is suited to

Laboratory glassware and vessel cleaning Degassing solvents and HPLC mobile phases Dissolving and dispersing samples Cleaning precision components and instruments Pharmaceutical, chemical and food testing labs

Display and Control

- 3.2-inch LCD showing model, power, frequency, time and temperature
- Microcomputer key operation
- User data storage for working parameters
- Fault and protection alarms on screen with buzzer

Ultrasonic and Heating

- 40 kHz frequency
- 10-100% power adjustment
- Degas function
- Heating up to 80°C

Construction

- 304 stainless steel stamped inner tank
- 304 stainless steel basket, housing and sound-reduction lid
- Handles on both sides
- Drainage system and water level mark

Standard Accessories Included

- Ultrasonic cleaner main unit
- Stainless steel basket
- Sound-reduction lid

Optional Accessories

- Other ultrasonic frequencies on order: 20, 25, 28, 33, 35 or 45 kHz