



## Ultrasonic homogenizer (Sonicator) LUHS-A17

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Ultrasonic homogenizer (Sonicator) LUHS-A17 is homogenizer with 500 to 5000 ml disruption capacity. With 19.5 to 20.5 KHz operation frequency, is used for disruption of cells, for emulsification, homogenization, cleaning, and preparation of nanomaterials, foaming and dispersion of chemicals.

## Features

- ❑ Large LCD backlit display
- ❑ 2400 W ultrasonic power
- ❑ Microprocessor controlled system
- ❑ Automatic frequency tracking
- ❑ Pulse and continuous operations
- ❑ Up to 0.1 seconds accuracy for ultrasonic time, gap, total time

## Application

Used in nanomaterials preparations, tissue culture processing, biotechnology, chemistry, pharmacy for processing, homogenization, sonication of test materials.

## Specifications

Model	LUHS-A17
Ultrasonic power	2400 W (20 % to 99%)
Disruption capacity	500 to 5000 ml
Standard probe	25 mm
Display	LCD
Optional probe/horn	Nil
Operating frequency	19.5 to 20.5 KHz, Automatic tracking
Temperature alarm	Yes (prevent sample overheating)
Alarm	Time, temperature, overload
Temperature control range	0 to 100 °C
Unit details	Host + Transducer + Dispersing head + soundproof box
System	Integrated control Board
Duty cycle	0.1 to 999.9%
Power supply	220/110 V, 50/60 Hz
Host packaging dimension	600 × 400 × 500 mm
Host weight	17 Kg
Soundproof box outer packing dimension	400 × 400 × 600 mm
Weight	10 Kg
HSCode	8479820090