



# Ultrasonic Homogenizer

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## LUH 100 Series

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## Ultrasonic Homogenizer LUH 100 Series

Labocon Ultrasonic Homogenizer LUH-100 Series is designed to offer precise system for ultrasonic disruption, homogenization, emulsification and degassing of samples. Its unique features allows the maximum in choice and control to best support your processing needs.

### Features:

- Large LCD screen clearly displays all operating parameters and options: Temperature, time, output power etc.
- Integrated Temperature Controller
- Equipped with temperature monitor to protect sample from overheating
- Automatic frequency tracking
- Automatic Fault alarm informs about the internal errors
- Data storage memory of up to 50 programs

### Application:

Labocon Ultrasonic Homogenizer LUH-100 Series is ideal to handle a variety of applications including disruption of bacteria, yeast and tissue cells for the extraction of protein, DNA, RNA, and cellular components, emulsification of immiscible liquids, homogenization, uniform dispersion of particles in liquids, acceleration of reactions, depolymerisation of large molecules and degassing of liquids.

### Specification:

|                            |                |            |               |                  |            |
|----------------------------|----------------|------------|---------------|------------------|------------|
| Model No.                  | LUH-101        | LUH-102    | LUH-103       | LUH-104          | LUH-105    |
| Capacity                   | 0.2-100 ml     | 0.2-200 ml | 0.5-500 ml    | 0.5-500 ml       | 0.5-600 ml |
| Frequency                  | 20-25 Khz      |            |               |                  |            |
| Probe Diameter             | 1/4 inch       |            |               |                  |            |
| Optional Probe( $\phi$ mm) | 2,3,6          | 2,3,6,8    | 2,3,6,8,10,12 | 2,3,6,8,10,12,15 |            |
| Ultrasonic Power           | 150 W          | 250 W      | 500 W         | 650 W            | 950 W      |
| Overall Dimension          | 400x280x220 mm |            |               |                  |            |
| Weight (Net/Gross)         | 25/26 kg       |            |               |                  |            |
| Catalog No.                | 9152101465     | 9152102465 | 9152103465    | 9152104465       | 9152105465 |

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| Model No.                  | LUH-106             | LUH-107             | LUH-108            | LUH-109    |
|----------------------------|---------------------|---------------------|--------------------|------------|
| Capacity                   | 50-1000 ml          | 50-1200 ml          | 50-1500 ml         | 50-1800 ml |
| Frequency                  | 19.5-20.5 KHz       |                     |                    |            |
| Probe Diameter             | 1/4 inch            |                     |                    |            |
| Optional Probe( $\phi$ mm) | 6,8,10,12,15, 20,25 | 6,8,10,12,15, 20,25 | 6,8,10,12,15,20,25 |            |
| Ultrasonic Power           | 1200 W              | 1500 W              | 1800 W             | 2000 W     |
| Overall Dimension          | 400x280x220 mm      |                     |                    |            |
| Weight (Net/Gross)         | 25/26 kg            |                     |                    |            |
| Catalog No.                | 9152106465          | 9152107465          | 9152108465         | 9152109465 |