

Ultrasonic Homogenizer LX1 UH series



Ultrasonic Homogenizer LX 1UH series

Ultrasonic Homogenizers are digital control units that monitors and controls ultrasonic output parameters. Continual work mode aids in frequent contaminant filtration. Intermittent work mode prevents the accumulation of excessive heat in the liquid. Time setting key for adjustment of minutes and seconds. Insulated enclosure reduces noise levels. Safety features include overheating protection lamp and over temperature detection for end user safety.

Features

- ☑ Zirconium-titanium acid barium piezoelectric vibrator
- ☑ Number input button
- ☑ Adjustable knob (maximum intensity)
- ☑ Duty cycle set button (Mode pulse and time setting keys)
- ☑ Probe diameter button (ultrasonic output intensity)
- ☑ Output frequency tracking fine-tuning hole
- ☑ Adjustable amplitude output
- ☑ Automated power-off
- ☑ Availability of different sizes of transducer

Applications

Used in the fields of biochemistry, microbiology, drug chemistry, surface chemistry, physics, zoology, medicine and pharmacy, etc. Also used for ultrasonic cell grinding, cell disruption and dispersion of nanoparticles.

Specification

Model No.	LX100UH	LX101UH	LX102UH
Power	100 W	150 W	250 W
Volume	100 μ l ~ 80 ml	100 μ l ~ 100 ml	100 μ l ~ 200 ml
Output amplitude	1 % ~ 90 %	1 % ~ 90 %	1 % ~ 90 %
Pulse width time	0.1 sec ~ 9.9 sec	0.1 sec ~ 9.9 sec	0.1 sec ~ 9.9 sec
Intensity display range	0 ~ 100 %	0 ~ 100 %	0 ~ 100 %
Probe diameter control levels (mm)	< 5	< 5	< 5
	5 ~ 8	5 ~ 8	5 ~ 8
	8 ~ 10	8 ~ 10	8 ~ 10
	> 10	> 10	> 10
Probe size	1/4"	1/4"	1/4"
	1/8"	1/8"	1/8"
	3/16"	3/16"	3/16"
Outer packing dimensions	795 x 370 x 380 mm	795 x 370 x 380 mm	795 x 370 x 380 mm
Weight	16 kg	16 kg	16 kg

Model No.	LX103UH	LX104UH	LX105UH
Power	500 W	800 W	950 W
Volume	250 µl ~ 500 ml	250 µl ~ 800 ml	250 µl ~ 1000 ml
Output amplitude	1 % ~ 90 %	1 % ~ 90 %	1 % ~ 90 %
Pulse width time	0.1 sec ~ 9.9 sec	0.1 sec ~ 9.9 sec	0.1 sec ~ 9.9 sec
Intensity display range	0 ~ 100 %	0 ~ 100 %	0 ~ 100 %
Probe diameter control levels (mm)	< 5	< 5	< 5
	5 ~ 8	5 ~ 8	5 ~ 8
	8 ~ 10	8 ~ 10	8 ~ 10
	> 10	> 10	> 10
Probe size	1/2"	1/2"	1/2"
	1/4"	1/4"	1/4"
	1/8"	1/8"	1/8"
	3/16"	3/4"	3/4"
		3/16"	3/16"
Outer packing dimensions	795 x 370 x 380 mm	795 x 370 x 380 mm	795 x 370 x 380 mm
Weight	16 kg	16 kg	16 kg