

PORTABLE ULTRASONIC PROCESSORS



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An Ultrasonic Homogenizer is a multifunctional instrument that uses ultrasonic waves to produce a cavitation effect in liquid and disrupt cells or tissues. It consists of an ultrasonic generator and an ultrasonic transducer. The generator produces sound waves which are transmitted to a probe placed in a liquid sample vibrated at high frequency that creates high pressure waves resulting in the formation of microscopic bubbles. These bubbles expand and collapse called cavitation which generates intense heat & pressure and breaks down the particles. The homogenized sample can then be used for various applications, such as protein extraction, DNA fragmentation, or cell lysis.

LTHMG11 PORTABLE ULTRASONIC PROCESSOR



SPECIFICATIONS

Model	LTHMG11-1	LTHMG11-2
Operating frequency range	20-25 KHz, frequency automatic tracking	
The end of the horn diameter	Φ 3 or 5	
Ultrasonic Power	150W, can be adjusted, hit into ways to fine-tune each of 5W	250W, can be adjusted, hit into ways to fine-tune each of 5W
Parameters sample handling capacity	0.1-100ml (need to select the appropriate probe)	
Generator output power	150W (max)	250W (max)
Operating voltage	220V±5%	



LTHMG11-1



LTHMG11-2



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