

MULTI-ELEMENT PROBES ULTRASONIC PROCESSOR

Product | Introduction

Multi-channel ultrasonic cell disruptor, an innovative custom 4-channel amplitude probe, simultaneously processes 4-16 samples, ensuring sample uniformity and greatly enhancing experimental efficiency. Utilizing powerful ultrasound to generate cavitation effects in liquids, this multifunctional and versatile instrument can be used for ultrasonic treatment of various animal and plant cells, as well as viral cells. It is also suitable for emulsification, separation, homogenization, extraction, degassing, cleaning, and accelerating chemical reactions. It is widely used in biochemistry, microbiology, pharmaceutical chemistry, surface chemistry, physics, zoology, and other fields.



Product | Features

- ◆ Used for crushing animal and plant cells, bacteria, spores, or tissue, extracting proteins from cells, and conducting scientific culture experiments of viruses and vaccines.
- ◆ Accelerates the reaction rate of chemical, physical, and other processes, and speeds up liquid dehydration.
- ◆ Used for scientific research analysis of crude oil dilution, oil-water emulsification, accelerating decrystallization, glass homogenization, and more.
- ◆ Disperses rare earths, various inorganic minerals, and prepares homogenized mixtures of latex particles close to nanometer scale.
- ◆ Used for quickly and powerfully cleaning fluids from mold micropores and blind holes with high precision.

Probe | Model Selection

Model	Cell disruption capacity
Φ2mm	150ul—5ml
Φ3mm	200ul—10ml
Φ6mm	10ml—150ml



Technical | Parameters

Model	DH4S-1000	DH8S-2000	DH16S-3000
Frequency	20-25KHz automatic tracking		
Power	1000W	2000W	3000W
Random amplitude rod	Φ6*4 supports	Φ6*8 supports	Φ6*16 supports
Optional amplitude rod	Φ3*4 supports	Φ3*8 supports	Φ3*16 supports
Crushing capacity	10-150ml*4 samples	10-150ml*8 samples	10-150ml*16 samples
Temperature alarm range	0-100°C		
Protection function	Over-temperature, over-power, over-time		
Duty cycle	1-99%		
Power supply	220/110V 50Hz/60Hz		
Power supply chassis size	400×280×220mm		
Net weight	12.1kg		
Main machine + transducer weight	16kg	18kg	22kg
Outer packaging size	534×295×435mm		