

AE-1000N Ultrasonic Cell Disruptors

Main Characteristics:

The switching power supply is controlled by PWM and the power can be adjusted continuously, with a good stability and storing experiment parameters of 51 groups; A large screen liquid crystal display is available to the instrument, with high resolution; Controlled by center microcomputer; Having temperature protection; Overload protection: the amplitude transformer won't work before immersing into a liquid and opening to protect amplitude transformer from damage; The ultrasonic time, ultrasonic time gap, ultrasound total time and power can be arbitrarily set; Sample temperature detection display, actual frequency display, frequency automatic tracking, malfunction automatic alarm, program automatic storage and end-of-job alarm; Sound proof box with lifting platform.



Main Technical Parameters:

Working frequency	20-25 KHz frequency automatic tracking
Display	7 "touch screen display
Set the ultrasound time	0.1—9.9 seconds
Set the time gap	0.1—9.9 seconds
Set the full time	0.1—999 minutes
Ultrasonic power	1000W is continuously adjustable
Random amplitude transformer	Φ6
Optional amplitude transformer	Φ2,Φ3,Φ10 and Φ15
Crushing capacity	0.1-800ml
Duty cycle	0.1-99.9%
Power supply	220V/110V and 50Hz/60Hz
Size and net weight of power supply case	400*280*220mm; 12.2kg
Size and net weight of soundproof box	275*250*480mm; 8.04kg
Net weight of machine	14.3kg
Out packing size	534*295*435mm.

Reference Value for Adapting Amplitude Transformer:

Model number of amplitude transformer		Frequency	Power range	Crushing capacity
Φ2	1/12"	20-25KHz	20-250W	0.2-5ml
Φ3	1/8"	20-25KHz	30-400W	3-10ml
Φ6	1/4"	20-25KHz	60-650W	10-100ml
Φ10	5/12"	20-25KHz/19.5-20.5KHz	100-950W	30-300ml
Φ12	1/2"	20-25KHz	100-950W	50-600ml
Φ15	5/8"	20-25KHz/19.5-20.5KHz	200-950W	200-750ml
Φ20	3/4"	19.5-20.5KHz	400-1200W	100-1000ml
Φ25	1"	19.5-20.5KHz	800-1800W	300-1500ml