Ultrasonic Nano Material Disperser | Homogenizer for Nano Material Dispersion

(LCD Screen Version)

Product Description

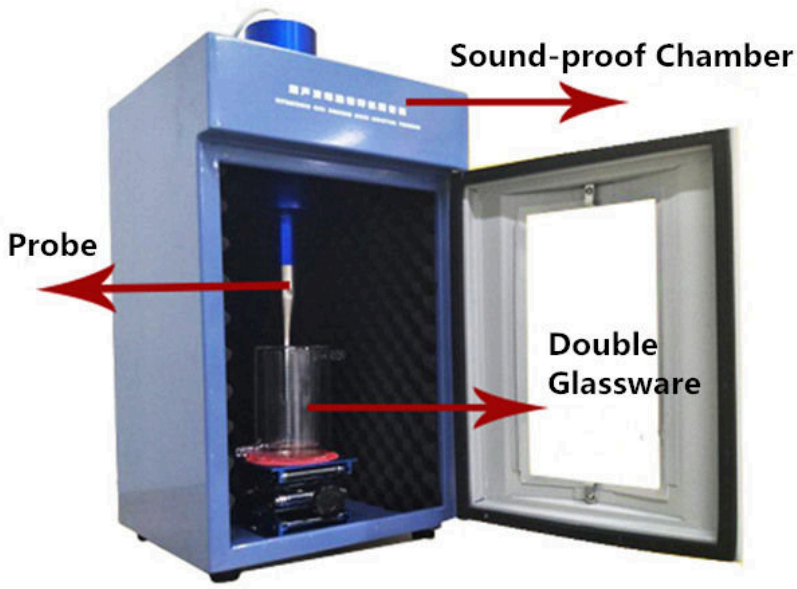
The Ultrasonic Nano Material Disperser (LCD Screen) is a multifunctional and multipurpose instrument for ultrasonic processing by cavitation in liquid material. Typical applications include nanotechnology (producing nanoparticle materials and Graphene dispersions), cell lysing, sample preparation, homogenization, ChIP Assay, emulsification, disaggregation and deagglomeration, plus uses in the field of sonochemical liquid processing.

Product Features

1. Large TFT screen Display, Touch control for new version
2. Login Password Protection System for data security
3. 20 groups of experimental data can be set and stored, safe and convenient.
4. The ultrasonic power can be adjusted continuously, and the best experimental conditions

can be explored.

5. The program has over-temperature/delay/fault protection settings and alarm system,which can protect the test samples to the maximum extent.
6. High and Low temperature bath is optional which can control the temperature between -40 to 200℃
7. We provide the **Sound-proof Chamber** for standard configuration with perfect transportation.
8. RS232 Interface is optional, which can support the data transmission between the PC and PLC to realize the remote control.



Technical Specification

Model	BEM-650D	BEM -900D	BEM -1000D	BEM -1500D	BEM -3000D
Frequency (KHz)	20-25	20-25	20-25	19-21	19.5-20.5
Power(W)	0-650	0-900W	10-1000	1500	300-3000

Crushing Capacity (ml)	0.1-500	0.1-600	0.1-700	20-1200	100-5000
Input &Display (4.3in TFT)	Touch Control	Touch Control	Touch Control	Touch Control	Touch Control
Login Password	Yes	Yes	Yes	Yes	Yes
Probe（mm）	Φ6	Φ6	Φ6 or 10	Φ22	Φ35 or 50
Optional Probes（mm）	Φ2、3、8、10、12	Φ2、3、8、10、12	Φ2、3、8、10、12、15	Φ10、15、20、25	Φ15、20、25、35、40、50
Sample Temperature Protection（℃）	0-100	0-100	0-100	0-100	0-100
Security System	Self-diagnosis function, automatic error correction, overload, overtemperature protection ,etc.				

Probe Option

Model	Inch	Frequency	Power Range	Crushing Capacity
Φ2	1/12″	20-25KHz	min-150W	0.2-5ml
Φ3	1/8″	20-25KHz	min-250W	3-10ml
Φ6	1/4″	20-25KHz	20-400W	10-100ml
Φ10	5/12″	20-25KHz	100-600W	30-300ml
Φ12	1/2″	20-25KHz	200-900W	50-500ml
Φ15	5/8″	20-25KHz	300-1000W	100-600ml
Φ20	4/5″	19.5-20.5KHz	400-1100W	100-1000ml
Φ22	5/6″	19.5-20.5KHz	400-1100W	200-1000ml
Φ25	1″	19.5-20.5KHz	800-1500W	500-1200ml

Application

The instrument is widely used in the fields of biology, microbiology, physics, zoology, agronomy, pharmacy, petroleum, etc. It also can be used in Nanotechnology research such as the dispersion of nanomaterials (nanotubes, graphene, silica, etc.); sample homogenization and emulsification; accelerate dissolution, accelerate chemical reaction and other sample processing.