



ULTRASONIC HOMOGENIZER BFA1K1 (BLIH-801)

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ULTRASONIC CELL DISRUPTOR

Ultrasonic cell disruptor a multi-functional and multi-purpose instrument that uses ultrasonic waves to produce cavitation effects in liquids. The instrument is widely used in teaching, scientific research and production in the fields of biology, microbiology, physics, zoology, agronomy, and pharmacy.



Adopts 5.0-inch TFT color touch screen to display various parameter indexes, and parameter setting is convenient and quick.

Adopt unique design of fully automatic lifting of the Ultrasonic horn, which is compatible with more container heights and liquid level heights.

Soundproof box is designed with sound-absorbing cotton and magnetic rubber to ensure sealing, which minimizes noise leakage.

9 groups of commonly used parameter settings are set in the program. One-key calling, convenient and quick.

Using ARM microcomputer technology, the ultrasonic power is finely adjustable, the step is 1%, the time parameters are precisely adjustable, and the time control accuracy is 0.1s.

Novel and unique appearance, the design conforms to the man-machine operation

SPECIFICATIONS

| | |
|-------------------------------|---------------------------------|
| Model | BFA1K1 |
| Old Model | BLIH-801 |
| Frequency | 20-25KHz |
| Display method | 5 inch TFT Touch screen display |
| Random horn | Ø6 |
| Optional horn | Ø2, Ø3, Ø6, Ø10, Ø12 |
| Crushing capacity | 0.5-500ml |
| Adjustable protection temp. | Sample temp. to 80°C |
| Max. lifting distance of horn | 120mm |
| Alarm | Time, overload, over temp. |
| Input power | 220V/50Hz |
| Power | 650W (1%-99%) |
| External temp. sensor | PT100 |
| Ultrasound time setting | 0.1s-9.9s (Suggest 1s-4s) |
| Whole time setting | 0.1min ~999.9min |
| Interval time setting | 0.1s-9.9s (Suggest 2s-8s) |
| Fuse | 250V, 5A, Φ5x20 |
| Power supply chassis size | W.250xD.420xH.438.5mm |
| Soundproof box size | W.501xD.380xH.577mm |
| Net weight | 14kgs |
| Alt Name | Ultrasonic cell disruptor |



ACCESSORIES FOR PURCHASE

| No | Name | Size(mm) | Broken amount(ml) | Power ratio(1-99%) |
|----|------|----------|-------------------|--------------------|
| 1 | Horn | Ø2 | 0.5-5 | 1-25% |
| 2 | Horn | Ø3 | 3-10 | 5-35% |
| 3 | Horn | Ø6 | 10-100 | 35-70% |
| 4 | Horn | Ø10 | 100-200 | 50-95% |
| 5 | Horn | Ø12 | 200-500 | 55-99% |



FEATURES

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9 groups of commonly used parameter settings are set in the program. One-key calling, convenient and quick.

Using ARM microcomputer technology, the ultrasonic power is finely adjustable, the step is 1%, the time parameters are precisely adjustable, and the time control accuracy is 0.1s.

Novel and unique appearance, the design conforms to the man-machine operation size, the operation is simple and convenient.
A UV lamp inside the soundproof box, which can sterilize and illuminate.

The door lock handle of the box body is integrated, safe and convenient.

A. Structural features



Reduce noise

The soundproof box is designed with sound-absorbing cotton, magnetic rubber, etc. to minimize noise leakage.



UV lamp

There are UV lamps in the soundproof box, which can sterilize and illuminate.



Integrated design

Cabinet door/door lock/handle integrated design, safe and convenient.

B. Safety design



Alarm prompt

Buzzer alarm prompt function, will stop and alarm at the end of operation or failure occurs.



Emergency button

The emergency stop button can stop the ultrasound and the horn returns to the top position to ensure the safety of man and machine.



Real-time detection

The sample protection temp. can be set, and the sample temp. can be detected in real time to ensure the safety of the sample.

C. Structure display





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