

PROBE SONICATOR WITH SOUND PROOF ENCLOSURE



BR-1200PS PROBE SONICATOR

Ultrasonic Homogenizer is a multi-functional and multi-purpose instrument that uses strong ultrasound to produce cavitation effect in liquid and ultrasonically treat substances. It can be used for a variety of animal and plant cells and viruses. Cell disruption can also be used for emulsification, separation, extraction, defoaming, degassing, cleaning and accelerating chemical reactions, etc. It is used in the teaching, research and production of biochemistry, microbiology, medicinal chemistry, surface chemistry, physics, zoology, agronomy, pharmacy and other fields.

FEATURES

- Full-featured, beautiful appearance, reliable performance, using the latest single-chip technology + 4.3-inch TFT capacitive touch screen control (7-inch optional), optional computer communication or data printing functions.
- High degree of intelligence, centralized control by the central computer, ultrasonic time and power can be set from 1%-100%.
- Sample temperature detection and display, frequency microcomputer automatic tracking, automatic fault alarm.
- One set of soundproof box, reducing noise by more than 70%
- Supporting Alcoa 7075 transducer + a set of high-purity titanium alloy horns, industrial horns can continuously achieve ultrasound for more than one hour (only high-purity titanium alloys can be achieved)
- With overload protection function and the horn is not immersed in liquid, it will automatically protect the horn from damage.
- It can realize the voice alarm function caused by malfunction, overtemperature or operation error, which is more humane.



TECHNICAL PARAMETERS

MODEL	BR-1200PS
POWER	20-1200W CONTINUOUSLY ADJUSTABLE
CRUSHING CAPACITY	1-1000ML(NEED TO MATCH THE CORRESPONDING HORN)
DISPLAY METHOD	TRUE COLOR CAPACITIVE TOUCH SCREEN DISPLAY
SINGLE ULTRASOUND TIME	0.1-99.9S
SINGLE GAP TIME	0.1-99.9S
TOTAL TIME (ULTRASOUND + GAP)	1-99H59M59S
FREQUENCY RANGE	19.5-20.5KHZ
TEMPERATURE CONTROL RANGE	0-100 DEGREES (OPTIONAL LOW TEMPERATURE AND CONSTANT TEMPERATURE)
ALARM FUNCTION	TEMPERATURE, TIME, OVERLOAD, NO LOAD, OVER TEMPERATURE
RANDOM HORN	Φ20(MM)
OPTIONAL HORN	Φ3、 6、 10、 15、 22、 25 (MM)
DUTY CYCLE	0.1-99.9%
DATA STORAGE	20 GROUPS
POWER SUPPLY (OPTIONAL 110V)	220V/110V/ 50HZ/60HZ
NET SIZE OF THE INSTRUMENT (D*W*H)	410*225*290 (MM)
ULTRASONIC HOST NET WEIGHT	15KG
ULTRASONIC HOST GROSS WEIGHT	19KG
HOST PACKAGING (LENGTH * WIDTH * HEIGHT)	470*305*430 (MM)
GROSS WEIGHT OF SOUNDPROOF BOX	10KG
OUTER PACKING OF SOUNDPROOF BOX (LENGTH * WIDTH * HEIGHT)	350*350*550 (MM)
WAY TO CONTROL	MCU + TFT TOUCH
OPTIONAL FUNCTION	COMPUTER
VOICE ALARM AND PROMPT FUNCTION	COMMUNICATION + DATA PRINTING + SOUNDPROOF BOX LIGHTING OR STERILIZATION

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