

PROBE SONICATOR IG-96M



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IG-96M PROBE SONICATOR

The IG-96M Probe Sonicator is an advanced scientific instrument designed for precise control and high-performance sonication. Featuring a PID microprocessor for enhanced accuracy and a 5-inch TFT touchscreen, it allows intuitive operation of ultrasonic power, time, and gap adjustments with accuracy down to 0.1 seconds. This model combines cutting-edge technology with user-friendly design, empowering researchers with detailed control over their experiments and a comprehensive display of essential parameters.



FEATURES:

Large Display & Intuitive Interface: Equipped with a 5-inch TFT touchscreen and PID microprocessor for accurate control.

Ultrasonic Power Control: Power can be set in 1% increments, offering precise adjustments from 1-99%.

Comprehensive Display Functions: Displays sample temperature, frequency, computerized tracking, and automatic trouble warnings on a large LCD screen.

Flexible Operation Modes: Includes pulse, continuous, and rest functions to suit various experimental needs.

Accurate Timing Controls: Ultrasonic time, gap time, and total time can be set to 0.1-second precision.

Advanced Safety Features: Features temperature alarms adjustable from 0.1 to 99°C to prevent sample overheating and alarms for time, temperature, and overload.



SPECIFICATIONS

Model	IG-96M
Frequency	20-25 KHz, Automatic tracking
Display	LCD
Power	650W
Power Range	1-99%
Display function	Temperature, Power, Time etc.
Timer (Selectable)	Yes
Overload Protection	Yes
User password Protection	Available
Input method	Touch Screen control
Std.Tip (Φ)	6 mm (1/4")
Tip options(Φ)	3,6,8,10 mm
Processing Volume	0.5-500 ml
Duty Ratio	0.1-99.9%
Date memory	20 groups
Temperature Alarm	0.1-99°C (Prevent sample overheating)
Alarm	Time, temperature, overload
Power Supply	220V 50Hz/60Hz
Dimensions (LxWxH) (mm)	490x370x280
Weight	10kg + 5kg (Sound Proof Enclosure)

Titanium Alloy Tips/Probe/Horn size reference value

Probe No.	Tip diameter	Processing capacity	Power ratio	Amplitude (microns)
PPS-3	Ø3	3-10 ml	1-50%	380µm
PPS-6	Ø6	10-100 ml	1-70%	200µm
PPS-8	Ø8	20-200 ml	1-80%	160µm
PPS-10	Ø10	30-300 ml	1-90%	140µm





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