

PROBE SONICATOR IG-92DN



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IG-92DN PROBE SONICATOR

The IG-92DN Probe Sonicator is an advanced scientific instrument designed for precise control and high-performance sonication. Featuring a PID microprocessor for enhanced accuracy and a 7-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 7-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-92DN
Frequency	20-25 KHz, Automatic tracking
Display	LCD
Power	900W
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)	2,3,10,12,15,18,20 and 25 mm
Processing Volume	0.5-1200 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)	490 x 370 x 280
Weight	10kg + 5kg (Sound Proof Enclosure)

Titanium Alloy Tips/Probe/Horn size reference value

Tip Model		Frequency (KHZ)	Power Range	Crushing Capacity
Φ2	1/12"	20-25KHz	20-250W	0.5-5ml
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	100-200ml
Φ12	1/2"	20-25KHz	100-950W	100-200ml
Φ15	5/8"	20-25KHz/19.5-20.5KHz	200-950W	200-600ml
Φ18	3/4"	20-25KHz	200-950W	200-500ml
Φ20	3/4"	19.5-20.5KHz	400-1200W	500-1000ml
Φ25	1"	19.5-20.5KHz	800-1800W	500-1200ml



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