

Ultrasonic Lab500

For axial probes



TYPICAL APPLICATIONS

- Homogenisation
- Degassing
- Enzyme/DNA extraction
- Emulsification
- Reaction acceleration
- Bacterial destruction
- Sonochemistry
- Cell lysis
- Extraction.....

TITANIUM PROBES

Probe 40D13*

Diameter: 13mm

Sample volume**: 20 - 500ml

Max. amplitude: up to 140µm

Probe 40D20*

Diameter: 20mm

Sample volume**: 100 -1000ml

Max. Amplitude: up to 60µm

Probe 40D25*

Diameter: 25mm

Sample volume**: 200 -1500ml

Max. Amplitude: up to 35µm



FEATURES

Processor NexTgen Lab500

- Max. power: 500W_{RMS}
- Frequency: 20kHz
- Amplitude setting: 10% - 100%
- Control mode: auto-tuned frequency mode
- Dimensions (LxWxH): 390x145x148mm
- US Start/Stop by Labtablet, dry contact, footswitch or laptop

20kHz Ultrasonic transducer

- Diameter: 55mm
- Length: 142mm
- Air cooling input/output

LabTablet for intuitive setting
NexTgen software, « Start » version

* 2 types available: solid or with replaceable tip. The use of a replaceable tip is not adapted to the treatment of certain liquids

** Indicative values

OPTIONS

LabPremium software - traceability, temperature-related operation, worldwide remote assistance

In addition to the functions of our « Start » software, full traceability of the processes is guaranteed by continuous registration of all data and the possibility of its exportation to Excel (data logger principle).

Our **LabPremium** software likewise enables to link the operation of the equipment to temperature conditions. For example, as soon as a certain sample temperature is reached, the operation stops or continues by cycles, according to your settings.

The **LabPremium** is also particularly appreciated for its “quick diagnosis” functionality and the given possibility of worldwide remote assistance.

OPTIONAL PROBES

Probe	Probe type	Diameter	Sample Volume**	Max. Amplitude
Reference		(mm)	(ml)	(μ m)
13D3	Microtip*	3	0.2-50	240
13D6	Microtip*	6	2-50	180

* Exclusively for 20kHz systems, fits on a 13mm probe with replaceable tip

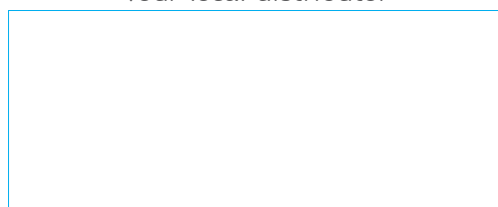
**Indicative values

Booster 2	-	36	-	Amplitude x2
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ACCESSORIES

TEMPERATURE SENSOR	Associated to the NexTgen LabPremium PC-software, it enables to temperature monitoring and temperature-related operation.
SOUND DAMPING ENCLOSURE	Comprises the support stand and clamp to fix the transducer. Size (HxWxD): approx. 800x400x400mm. Exits with a drawer (option).
STAND AND CLAMP	Holds the system in place during operation.
LIFTING SUPPORT	Permits to adjust the height in order to properly immerse the probe.
FOOTSWITCH	Activates the ultrasounds remotely.

Your local distributor



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