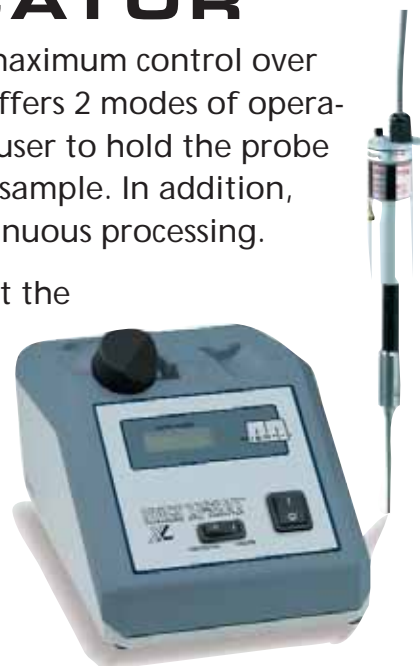


SMALL VOLUME SONICATOR

The **XL-2000** Sonicator was designed specifically to give the user maximum control over the sonication process. This model is ideal for small samples and offers 2 modes of operation. The unit is equipped with a thumb switch, which allows the user to hold the probe and deliver precise pulses of energy, while closely monitoring the sample. In addition, the probe can be mounted in a stand or sound enclosure for continuous processing.

The improved load monitoring and frequency tracking ensure that the probe operates more efficiently to deliver consistent sonication intensity at any given amplitude setting. The user experiences shorter processing times and greater sample-to-sample consistency. A variety of microprobes are available to effectively process samples from 0.2ml – 100ml (see table below). The Cup Horn delivers indirect sonication and will gently process small samples inside sealed vials or tubes.



Features

- Compact design
- Thumb pulse switch
- Auto tuning

Ordering Information

Part # **XL-2000** includes:

- Generator
- Converter with cable
- Microprobe (#P-1)
- Power cable
- Wrench set
- Operation manual

Please specify desired voltage for export.

Part # **432A** (Sound Reducing Enclosure) is sold separately.

Specifications

Maximum Power Output	100 Watts
Operating Frequency	22.5 kHz
Input	115/230 VAC, 3/1.5A, 50/ 60Hz
Dimensions	7.5" wide x 13" long x 7" high



Micro Cup Horn Accessory

Part # 431 M

Cup (inner diameter)	1 1/2" (38mm)
Probe Diameter	9/10" (6.4mm)

Microprobe Options

Part #	P-1	P-2*	P-3	P4**
Processing Volume†	0.5-15 ml	2-25 ml	0.2-5 ml	5-50 ml
Tip Diameter	1/8" (3.2 mm)	3/16" (4.8 mm)	3/32" (2.4 mm)	1/4" (6.4 mm)
Intensity	Very High	High	Very High	Medium
Amplitude (at 100% output)	180 µm	80 µm	210 µm	60 µm

†Processing volume can double with the use of a magnetic stir bar. *Requires #404C wrench. **Requires #403 wrench.