

SONIFIER® SLP SERIES

The new Branson Sonifier® SLP Series offers many capabilities not available in other units. This unit is capable of processing 90% of today's laboratory requirements. Sample sizes from as low as 0.1 ml and as great as 250 ml can be effectively processed. The digital controls allow easy parameter entry, in-process monitoring of process data, and access to key data at the end of an experiment. Software excludes inappropriate data entry and sounds an alarm if the process moves outside set limits.

This dismembrator series will permit the traditional management of experiments and processes using "time" (1 second to 99 hours) and "amplitude" as primary variables. The process can also be controlled using the newer "total energy" approach (1 to 10,000 joules) offering advantages in process thermal management. The Sonifier SLP units can manage total experiment time in either the "time/amplitude" mode or the "total energy" mode.

All Branson SLP products come complete and ready to run. They include the generator/power supply, converter, 1/8" microtip, all interconnects, and an I/O port for external control.

The **SLPt Time Mode Sonifier** includes a large digital display, continuous or pulsed operation, and can manage total experiment time with local or remote (p/c) control capability. It has built-in tuning. This model includes the generator/power supply, converter, 1/8" microtip, all interconnects, and an I/O port for external control. The SLP unit comes complete and ready to run.

The **SLPe Energy Mode Sonifier** includes the ability to control set parameters through the newer "total energy" approach (1 to 10,000 joules), offering advantages in process thermal management. The Sonifier includes a large digital display, continuous or pulsed operation, and can manage total experiment time, with local or remote (P/c) control capability. It has built-in tuning. Included are the generator/power supply, 1/8" microtip, all interconnects, and an I/O port for external control. The SLP unit comes complete and ready to run.



Key Features

- Digital parameter entry for precise, easy setup.
- Digital amplitude control allows fine tuning for critical applications (ranges from 10% to 100% in 1% increments).
- Built-in auto tuning for optimum control in any application
- Continuous or pulsed operation
- LED readout displays parameter settings during setup and operation for easy reference and monitoring.
- Nonvolatile storage of cycle parameters provides storage of last-used cycle parameters even if the system is shut off or a power interruption occurs.
- Overall experiment timer
- Local or remote (plc) control capability
- Supplied tooling ideal for Eppendorf or Falcon style vessels

Specifications

Output Watts:

120V unit: 150 watts, 50/60 Hz, 1 Ø, 2 amps

240V unit: 150 watts, 50/60 Hz, 1 Ø, 1 amp

Operating Frequency: 40 kHz

Input: 115V / 230V

Total Processing Time: 1 sec to 99 hours (SLPt unit)

Adjustable Total Energy: 1 to 10,000 joules
(SLPe unit)

Weight: 17 lbs.

Dimensions: 9" h x 7.75" w x 13.3" d
(220mm x 197mm x 338mm)
Depth: includes 3" (76mm)
cable clearance)

Receptacle required:

120V AC models: NEMA 5-15R or equivalent

240VAC models: NEMA 6-15R or equivalent

SLP SONIFIERS

| Description | Part # |
|---------------------------------|-------------|
| Sonifier SLPt Time Mode, 120v | 101-063-723 |
| Sonifier SLPt Time Mode, 240v | 101-063-724 |
| Sonifier SLPe Energy Mode, 120v | 101-063-726 |
| Sonifier SLPe Energy Mode, 240v | 101-063-727 |

SLP MICROTIPS

| Description | Dimensions | Part # |
|----------------|-------------------|--------------|
| 1/8" Microtip | 1/8" diameter * | 109-122-1065 |
| 3/16" Microtip | 3/16" diameter ** | 109-122-1182 |
| 1/4" Microtip | 1/4" diameter ** | 109-122-1064 |
| 3/8" Microtip | 3/32" diameter * | 109-122-1066 |

ACCESSORIES

| Description | Dimensions | Part # |
|--|-------------------|-------------|
| Soundproof enclosure (Need to order adaptor also) | 14.5" x 12" x 23" | 101-063-275 |
| Soundproof Adapter for soundproof enclosure above | | CPN-121-021 |
| 4C15, 40 kHz converter | | 101-135-126 |
| Open end wrench | | 201-118-010 |
| Spanner Wrench | | 201-118-024 |
| Tool kit *** | | 101-063-176 |

* Note: Requires one each of 201-118-010 open end wrench and 201-118-024 spanner wrench for removal from converter.

** Note: Requires (2) 201-118-024 spanner wrenches for removal from converter.

*** Includes 201-118-010 open end wrench and (2) 201-118-024 spanner wrenches.

The Branson SLP Series ultrasonic power supplies comply with FCC rules and regulations governing radio frequency interference.

BRANSON ULTRASONICS CORPORATION

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