

Sonifier® SFX250 and SFX550

Overview

The Branson SFX250 and SFX550 are part of the SFX Series of Sonifiers from Emerson, designed to bring the industry's most advanced sample-processing capabilities to your laboratory. The SFX Series brings a new level of ease, precision, and repeatability with advanced energy and temperature control modes, process monitoring capabilities, and programming features.

Sonifier SFX250 Model

- 250 watts of power at 20 kHz
- Processes samples from 0.2 up to 500 mL
- Includes power supply, converter and 1/2" disruptor horn

Sonifier SFX550 Model

- 550 watts of power at 20 kHz for high-volume processing
- Processes samples from 0.2 to 1000 mL
- Includes power supply, converter, and choice of 1/2" or 3/4" disruptor horn

Sonifier SFX250 and SFX550 Features

- Advanced energy control mode delivers precise energy input in continuous or pulse modes.
- True temperature control manages sample temperature within user-specified limits (requires separate temperature probe).
- Control modes include time, temperature, and energy.
- Continuous or pulsed ultrasonics.
- High-efficiency, stand-mountable converter requires no internal cooling.
- Scrollable, multifunction screen with pushbuttons.
- In-process feedback displays experimental progress together with key variables such as power level, energy usage, and sample temperature.
- Microtip mode limits amplitude to 70% to extend tool life.
- Amplitude control range from 10 to 100%.
- Powerful 20 kHz ultrasonics.
- Up to 20 stored programs. Programmable parameters include continuous or pulsed ultrasonics; time, energy, or temperature control modes; pulse on-time/energy, off-time and total on-time/energy; or amplitude as a percentage.



ORDERING INFORMATION

| Model | Part Number | Input Power | Output Power | Dimensions | Weight |
|-----------------------|--------------|-------------|--------------|--|---------|
| SFX250 with 1/2" Horn | 101-063-965R | 120 V | 250 watts | 12.5" (318 mm) L x 7.5" (191 mm) W x 9.25" (235 mm) H | 14 lbs. |
| SFX250 with 1/2" Horn | 101-063-966R | 240 V CE | | | |
| SFX550 with 1/2" Horn | 101-063-969R | 120 V | 550 watts | 12.5" (318 mm) L x 7.5" (191 mm) W x 9.25" (235 mm) H | 14 lbs. |
| SFX550 with 1/2" Horn | 101-063-971R | 240 V CE | | | |
| SFX550 with 3/4" Horn | 101-063-968R | 120 V | 550 watts | 12.5" (318 mm) L x 7.5" (191 mm) W x 9.25" (235 mm) H | 14 lbs. |
| SFX550 with 3/4" Horn | 101-063-970R | 240 V CE | | | |

ACCESSORIES ORDERING INFORMATION

| Catalog No. | Description | Catalog No. | Description |
|--------------|--|--------------|--|
| 200-060-022R | Temperature probe | 101-148-062 | Tapered 1/8" diameter microtip for 1/2" tapped horn |
| 101-063-275 | Acoustic enclosure (20-25 dB reduction) | 101-148-069 | Tapered 3/16" diameter microtip for 1/2" tapped horn |
| 101-147-037R | 1/2" diameter stepped disruptor horn | 101-148-070 | Tapered 1/4" diameter microtip for 1/2" tapped horn |
| 101-147-043 | 3/4" disruptor horn with solid tip | 101-063-212 | Double step 1/8" diameter microtip with coupler for direct attachment to the converter |
| 101-147-035R | 3/4" diameter high-gain horn | 101-147-050 | Double step microtip, coupler portion only |
| 101-147-044 | 1" stepped, solid horn | 101-148-063 | Double step microtip, microtip portion only |
| 100-146-171 | Continuous flow attachment | 101-063-1108 | Lab stand with 1/2" rod |
| 101-147-046 | Cup horn, flow-through, 1" | 101-063-1110 | Converter clamp for 200-550 watt sonifiers |
| 101-147-047 | Cup horn, flow-through, 2" | 101-135-066R | Converter clamp for 1/2" stand for 150 watt sonifiers |
| 101-147-048 | Cup horn, flow-through, 3" | 101-118-039 | Spanner wrench (qty. 1 – requires 2) |
| 100-098-249 | Adapter stud | | |
| 101-148-013 | Replacement tip for 1/2" tapped horn (1/4-20 thread) | | |
| 101-147-049 | Extension 1/2" diameter with replaceable tip 101-148-013 | | |

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