

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		

Americas

Branson Ultrasonics Corp.
41 Eagle Road
Danbury, CT 06813-1961
T: 203-796-0400
F: 203-796-9838
www.Emerson.com/Branson

Europe

Branson Ultraschall
Niederlassung der Emerson
Technologies GmbH & Co. OHG
Waldstrasse 53-55
63128 Dietzenbach, Germany
T: +49-6074-497-0
F: +49-6074-497-199
www.Emerson.com/Branson

Asia

Branson Ultrasonics (Shanghai) Co., Ltd.
758 Rong Le Dong Road
Song Jiang, Shanghai, PRC, 201613
T: 86-21-3781-0588
F: 86-21-5774-5100
www.Emerson.com/Branson