

# Classic Reliability

## Precision Control

# BRANSON Digital SONIFIER® Cell Disruptor

BRANSON Sonifier digital products take advantage of benefits enabled by newer digital technology. This is particularly useful where precise process control and parameter measurement is required. These 20 kHz units include automatic amplitude control, broad-band tuning, and include enhanced features like:

- **Autotune plus Memory (AT/M)** – provides fully-automatic tuning and stores frequency at the end of each cycle
- **Multiple mode operation** – continuous, pulsed, timed, and temperature end-point
- **Setup menu in five languages**
- **Digital parameter setting with valid parameter range checking**
- **Digital timer** (9 hours, 59 minutes, 59 seconds)
- **Amplitude is adjustable** from 10-100%
- **User I/O offers remote start/stop control and the ability to view temperature, amplitude, and power values during experiments**
- **Automatic end-of-cycle shutoff using limit parameters**
- **Self diagnostics on start-up**
- **Twenty user-programmed presets for convenience**

All units have DIGITAL controls including a membrane switch for easy data entry, 10-hour timer, digital wattmeter, 80 character LCD display to monitor parameters, and much more.

The parallel printer interface and RS-232C serial computer interface add even more utility.

All units are supplied as an operational package including power supply, converter, and standard horn.



Model	Part No.	Output	Included Horn
S-250D	101-063-589	200 watts	½" tapped with flat replaceable tip
S-450D	101-063-591	400 watts	½" tapped with flat replaceable tip
S-450D	101-063-592	400 watts	¾" solid

**Consonic**

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**Optional Accessories**  
for model 250/450



**Sound Reducing Enclosure**  
Part # 20268



102-C Converter  
101-135-066



Double-Step  
1/8" Microtip  
with Coupler  
101-063-212



1/2" Dia. Tapped  
Bio Horn  
101-147-037



3/4" High  
Gain Horn  
101-147-035



Flow-through Horn  
101-147-056



1" High Intensity  
Cup Horn  
101-147-046



2" Cup Horn  
101-147-047

3" Cup Horn\*  
101-147-048



1/8" Tapered  
Microtip\*  
101-148-062



1/2"  
Extension  
101-147-049



Sealed  
Atmosphere  
Chamber\*  
101-021-004



Continuous Flow  
Attachment  
100-146-171