

# SONICATOR<sup>®</sup> PLUS 930

## Specifications

### General Specifications:

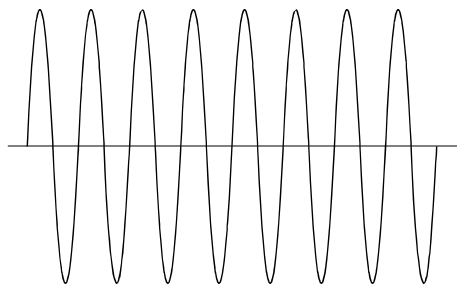
Input:	90–240 VAC, 50–60 Hz, 2.3 Amp Nom.
ETL and C-ETL Listed:	Model ME 930 (9801427)
Weight:	8.7 pounds
Dimensions:	6 in (H) x 12 in (W) x 12 in (D)
Maximum Treatment Time:	60 minutes–electrical stimulation 30 minutes–ultrasound or combination therapy

### Ultrasound Specifications:

Frequency:	1.0 MHz $\pm$ 5% 3.2 MHz $\pm$ 5%
Modes:	Continuous Pulsed—20% duty cycle
Maximum output power:	11 W with a 5 cm <sup>2</sup> applicator, (ME 7513)
Maximum intensity:	2.2 W/cm <sup>2</sup>

### Stimulation Specifications:

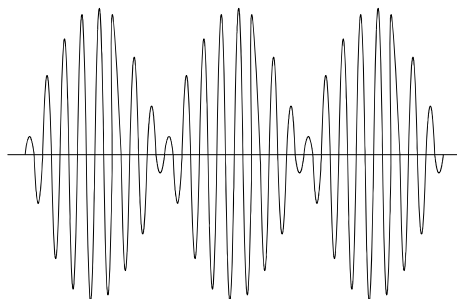
#### Interferential Mode



Interferential

Waveform Type:	Sinewave
Frequency:	Channel 1 = 4000 Hz Channel 2 = 4000 to 4250 Hz Hz variable frequency sinewave
Frequency Modulation:	1–15 Hz 80–150 Hz 1–150 Hz xx–xx Hz, <i>xx=any value from 1 to 250 Hz</i>
Available Amplitude	
Modulation Options:	Vector rotation

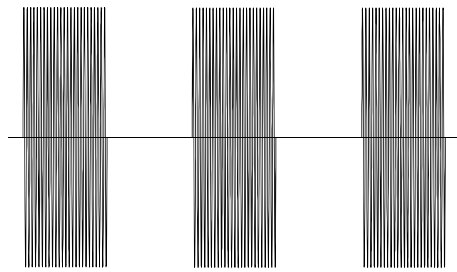
#### Premodulated Mode



Premodulated

Waveform Type:	Amplitude modulated sine wave
Frequency:	4,000 Hz
Frequency Modulation:	1–15 Hz 80–150 Hz 1–150 Hz xx–xx Hz, <i>xx=any value from 1 to 250 Hz</i>
Available Amplitude	
Modulation Options:	Continuous Surge Reciprocation

## Medium Frequency Mode



Medium Frequency (*Russian*)

Waveform Type:	Burst modulated sine wave
Frequency:	2500 Hz, Burst at 10 ms on and 10 ms off
Frequency Modulation:	No
Available Amplitude Modulation Options:	Continuous Surge Reciprocation

### Amplitude Modulation Specifications:

**Vector rotation:** *Interferential Mode Only,*

-50% amplitude modulation in anti-phase with an eight second modulation period.

**Surge Mode:** *Premodulated and Medium Frequency*

Up ramp:	3 seconds
Down ramp:	2 seconds
Preset on/off times:	5 seconds on, 5 seconds off 10 seconds on, 10 seconds off 10 seconds on, 30 seconds off 10 seconds on, 50 seconds off

**Reciprocation mode:** *Premodulated and Medium Frequency*

Up and down ramps:	1 second, <i>reciprocation only</i>
Reciprocation time:	2–240 seconds, (On time = off time)

