

Sonicator® Plus 921 & 941 (Domestic)

Domestic Specifications

General Specifications:

Parameter	Sonicator Plus 921	Sonicator Plus 941
Energy source	24 VDC Adaptor and rechargeable battery operated	24 VDC Adaptor and rechargeable battery operated
Device Housing	Material-ABS Size – (12.6 X 9.4 X 6.7) in. Weight – 5.5 lbs.	Material-ABS Size – (12.6 X 9.4 X 6.7) in. Weight – 5.5 lbs.
Number of output Channel	2 Channel Stimulation + 1 Channel ultrasound	4 Channel Stimulation + 1 Channel ultrasound
Display	Touch Screen LCD	Touch Screen LCD
Treatment Time	1-100 minutes	1-100 minutes

Ultrasound Specifications:

Parameter	Sonicator Plus 921	Sonicator Plus 941
Frequency:	1.0 & 3.0 MHz	1.0 & 3.0 MHz
Modes:	Continuous Pulsed—5, 10, 20, 30, 40 and 50% duty cycle	Continuous Pulsed—5, 10, 20, 30, 40 and 50% duty cycle
Pulse Frequency:	100 Hz	100 Hz
Maximum output power:	12 W (100%) with 5 cm ² applicator, 1 & 3 MHz, (ME 9413)	12 W (100%) with 5 cm ² applicator, 1 & 3 MHz, (ME 9413)

Waveform Specifications:

IFC (interferential)

Waveform:	Sine Wave
Pulse Width:	100 µS
Pulse Rate:	5,000 Hz
Sweep Freq:	Selectable 1 -10, 80-150 and 1- 150Hz
Scan Period :	Off, 40% and 100% Scan
Output Power :	0 to 50 mA

Pre-mod

Waveform:	Premodulated IFC
Pulse Rate:	5,000 Hz
Sweep Freq:	Selectable 1 -10, 80-150 and 1- 150 Hz
Total Sweep	Time : 15 Sec.
Cycle Time :	5/5 and Continuous
Output Power :	0 to 50 mA

Russian

Waveform:	Step Sine Wave
Duty Cycle:	Selectable 10, 20, 30, 40, 50
Burst Rate:	Selectable from 20 to 100 Hz
Ramp Time :	0.5, 1, 2, and 5 sec.
Cycle Time :	5/5, 10/10, 10/20, 4/12, 10/30, 10/50, and Continuous
Output Power :	0 to 100 mA

TENS

Waveform:	Asymmetrical Biphasic Square Wave
Pulse Width:	Selectable from 10 µS to 250 µS
Pulse Rate:	Selectable from 1Hz to 150 Hz
Burst Mode :	Each Burst to be a train of 7 pulses at 100 Hz.
Modulation Mode :	Pulse Frequency is varied automatically in a cyclic pattern: After 1 second at the set pulse frequency, the frequency decreases over a period of 4 seconds to 40% less, holds at this lower frequency for 1 second, then increases over a 4 second period to the set frequency. The total cycle is 10 seconds, within 20%.
Output Power :	0 to 90 mA

EMS

Waveform:	Asymmetrical Biphasic Square Wave
Pulse Width:	Selectable from 10 µS to 250 µS
Pulse Rate:	Selectable from 1 Hz to 150 Hz
Ramp time :	adjustable from 1-6 seconds
Contraction Time :	adjustable from 1-30 seconds
Relaxation Time:	adjustable from 1-30 seconds
Output Power :	0 to 90 mA

High Voltage

Waveform:	Twin pulses
Pulse Width:	20 µS
Pulse Rate:	Selectable from 1pps to 120 pps
Ramp:	0.5, 1, 2, and 5 s
Cycle Time:	5/5, 10/10, 10/20, 4/12, 10/30, 10/50, and Continuous
Polarity:	+/-
Output Power :	0 to 500V



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