

SynchroSonic® US/752

Combination Ultrasound/High Volt Galvanic/High Volt Stimulator



Precise, Managed Combination Therapy

The SynchroSonic US/752 offers the benefits of therapeutic ultrasound and high volt muscle stimulation for muscle rehabilitation, prevention of muscle atrophy, pain management and edema reduction.

SynchroSonic US/752

The panel design of the SynchroSonic US/752 provides simple operation of ultrasound and high volt muscle stimulation separately or in combination through the ultrasound transducer. The practitioner can precisely manage treatment with a selectable frequency range, selectable independent on/off surge duration and selectable pulse width. The US/752 produces pulsation, tetanize, surge and reciprocal output. The additional benefit of bipolar application

eliminates the need for a single large dispersive electrode. Designed to promote patient assurance, the treatment stop switch allows the patient to discontinue stimulator output at the press of a button.

Soundhead Features and Options

All Amrex ultrasound transducers are lightweight, ergonomically designed and sealed for underwater therapy.

Amrex offers two soundhead faceplate sizes: the standard 2.25" diameter faceplate or the optional, small 1.5" diameter faceplate. The QuickConnect™ Transducer Cable System is optional with the standard soundhead. It is provided with the small soundhead or the dual standard/small soundhead on all Amrex ultrasound equipment.

SynchroSonic® US/752 Specifications



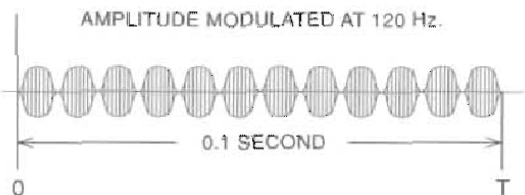
SynchroSonic U/HVG50 with optional three shelf utility cart

Input Power Requirements

Line Voltage	120 Vac, 60 Hz (Special voltage available on request)
Current	1.0 A
Line Leakage	< 50 μ A

Ultrasonic Generator

(Complies with FDA Regulation 21 CFR 1050.10 and FCC Regulations)	
Frequency	1.0 MHz \pm 5%
Waveform	amplitude modulated at 120 Hz \pm 1%



Pulse Duration	8 ms \pm 1%
Output Mode	adjustable interrupted & non-interrupted
Output Power	0 to 20 W total \pm 20% 0 to 5 W/cm ² \pm 20%
Temporal Peak/Temporal Average Intensity	2.8:1 \pm 20%
Treatment Timer	adjustable 0 to 30 minutes

Applicator (Transducer)

Crystal Material	barium-titanate
Applicator Beam Type	collimating
Frequency	1.0 MHz \pm 5%
ERA (Effective Radiating Area)	4 cm ² \pm 20%
BNR (Beam Nonuniformity Ratio)	5.5:1 maximum
Small Faceplate Size	1.5" diameter
Standard Faceplate Size	2.25" diameter

Ultrasound Features

- Lightweight standard transducer
- Optional QuickConnect™ transducer
- Optional small transducer with QuickConnect cable
- Cable fault alarm system
- Transducer protection switch
- Adjustable interrupted output mode
- 0 to 20 watt output • 30 minute timer

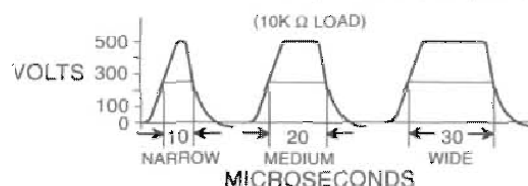
Stimulator Features

- Dual channel, 4 pad stimulator
- Dual intensity controls
- Polarity control
- Bipolar application (no dispersive pad)
- Selectable frequency, pulse width, on/off surge duration
- Surge and reciprocal modes ramped
- Intensity reset circuit
- Patient treatment stop switch
- Combination therapy capability

- Two Year Warranty - Generator - Parts and Labor
- One Year Warranty - Transducer - Parts and Labor

Electrical Stimulator

Waveform dc "needle" pulses with no parasitic spike



Output Voltage	0 to 500 peak V
Output Intensity	20 μ C maximum charge per pulse into 100 Ω load
Pulse Width	narrow 10 μ s, medium 20 μ s, wide 30 μ s
Frequency Range	1 to 160 pulses per s
Surge On Duration, Reciprocal On/Off Duration.....	1, 2.5, 5, 7.5, 10, 15, 20, 30 s
Surge Off Duration	2.5, 5, 10, 15, 20, 30, 50, 90 s

Instrument US/752

Overall Dimensions	19 1/2" W x 11" D x 7" H
Weight (including transducer)	20 lbs.
Shipping Weight	27 lbs.

Ordering Information US/752

Standard Soundhead	32-US/752
Standard QuickConnect Soundhead	32-US/752-D
Small QuickConnect Soundhead	32-US/752-SM
Standard/Small QuickConnect Soundhead	32-US/752-D2
Wall Mount Bracket	9-WB
High Impact Plastic Utility Cart	4-APS-2000
Paddle Electrode	2-PES
Treatment Handle	2-118
Flextrode® 8" x 10" Dispersive Electrode	2-F106