

# SynchroPulse™ HV752

## High Volt Pulsed DC Stimulator

**AMREX®**



## Precise, Managed Muscle Stimulation

The SynchroPulse HV752 is ideal for muscle rehabilitation, prevention of muscle atrophy, pain management and edema reduction.

### SynchroPulse HV752

The sophisticated circuitry of the SynchroPulse HV752 provides dual channel stimulator output with dual indicator meters and dual intensity controls. The practitioner can precisely manage treatment with a selectable frequency range, selectable independent on/off surge duration and selectable pulse width. The SynchroPulse HV752 stimulator 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 patient controlled treatment stop switch allows the patient to discontinue stimulator output at the press of a button.

### Combination Therapy

The electrical muscle stimulation of the SynchroPulse HV752 may be applied separately or may be combined with ultrasound simultaneously through the ultrasound transducer using an external Amrex SynchroSonic® U/50.

# SynchroPulse™ HV752 Specifications



**COMBINATION THERAPY PACKAGE**  
SynchroPulse HV752 and SynchroSonic U/50  
Order No. CB93

## SynchroPulse HV752 Features

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

## SynchroPulse HV752 Specifications

### Input Power Requirements

Line Voltage ..... 120 Vac, 60 Hz  
(Special voltage available on request)  
Current ..... 0.25 A  
Line Leakage ..... < 50  $\mu$ A

### Electrical Stimulator

Waveform ..... dc "needle" pulses with no parasitic spike  
Output Voltage ..... 0 to 500 peak V  
Output Intensity ..... 20  $\mu$ C maximum charge  
per pulse into 100  $\Omega$  load  
Pulse Width ..... narrow 10  $\mu$ s, medium 20  $\mu$ s, wide 30  $\mu$ s  
Frequency Range ..... 1-160 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 HV752

Overall Dimensions ..... 8½" W x 10¾" D x 5" H  
Weight ..... 8 lbs.  
Shipping Weight ..... 15 lbs.

## SynchroSonic® U/50 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
- Two Year Warranty - Generator - Parts and Labor
- One Year Warranty - Transducer - Parts and Labor
- UL Listed
- CSA Approved
- 30 minute timer

## SynchroSonic U/50 Specifications

### Input Power Requirements

Line Voltage ..... 120 Vac, 60 Hz  
Current ..... 1.0 A  
Line Leakage ..... < 50  $\mu$ 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<sup>2</sup>  $\pm$  20%  
Temporal Peak/Temporal Average Intensity ..... 2.8:1  $\pm$  20%

### Applicator (Transducer)

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