

# 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 .....	8 1/2" W x 10 3/4" D x 5" H
Weight .....	3 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%
EIRA (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

**AMREX**<sup>®</sup>  
electrotherapy equipment  
a division of Amrex-Zetron, Inc.

**Caution: Federal law (USA) restricts this device to sale by or on the order of a licensed practitioner**

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