

# MS324A, MS324AB and MS322

# AMREX<sup>®</sup>

Low Volt AC Muscle Stimulators



## Reliable, Affordable and Portable Muscle Stimulation

### MS324A, MS324AB Low Volt AC Stimulators

The MS324A and MS324AB are designed for the application of low volt ac muscle stimulation. The MS324A and MS324AB are dual channel, four pad, low voltage electrical muscle stimulators that produce pulsation, tetanize, surge, and reciprocal output.

The MS324A and MS324AB feature the patient treatment stop switch. Designed to promote patient assurance, the treatment stop switch allows the patient to discontinue stimulator output at the press of a button.

For portability, or when ac power is unavailable, the MS324AB utilizes an internal rechargeable battery power supply.

### MS322 Low Volt AC Muscle Stimulator

The MS322 Low Volt AC Muscle Stimulator combines proven reliability and ac power in a compact, low volt ac muscle stimulator. The MS322 is a single channel, two pad, low voltage electrical muscle stimulator that produces pulsation, tetanize and surge output.

### Combination Therapy

The MS324A, MS324AB and MS322 may be used for combination therapy. Low voltage electrical muscle stimulation may be applied separately or it may be combined with therapeutic ultrasound simultaneously through the ultrasound transducer of an Amrex SynchroSonic<sup>®</sup> U/50.

# MS324A, MS324AB and MS322 Specifications



MS324AB Low Volt AC Muscle Stimulator features easy portability

## MS324A and MS324AB Features

- Dual channel, 4 pad stimulator
- Dual intensity controls
- Adjustable pulsation, surge and reciprocal rates
- Surge and reciprocal modes ramped
- Tetanize mode
- Intensity reset circuit • 30 minute timer
- Patient treatment stop switch
- Combination therapy capability
- AC or battery operable - MS324AB
- Two Year Warranty - Generator - Parts and Labor (batteries excluded)

## MS322 Features

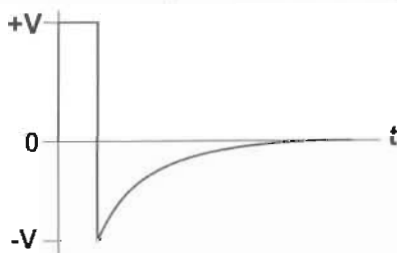
- Single channel, 2 pad stimulator
- Adjustable pulsation and surge rates
- Surge mode ramped
- Tetanize mode
- Intensity reset circuit • 30 minute timer
- Combination therapy capability
- Two Year Warranty - Generator - Parts and Labor
- UL Listed

## Input Power Requirements

Line Voltage .....	120 Vac, 60 Hz (Special voltages available on request)
Current MS324A, MS322 .....	0.25 A
Current MS324AB .....	< 1.0 A
Line Leakage .....	< 50 $\mu$ A

## Electrical Stimulator

Waveform ..... asymmetrical alternating current (no load)



Output Voltage .....	110 V peak into 1k $\Omega$ load 28 V peak into 100 $\Omega$ load
Output Intensity .....	56 $\mu$ C maximum charge per pulse into 100 $\Omega$ load
Pulse Width .....	200 $\mu$ s at 50% V maximum
Frequency Range .....	1 to 80 pulses per s
Surge & Reciprocal Duration .....	adjustable 3.75 s on/off to 0.375 s on/off

## Instrument MS324A

Overall Dimensions .....	8 1/2" W x 11" D x 5 5/8" H
Weight .....	4.5 lbs.
Shipping Weight .....	11 lbs.

## Instrument MS324AB

Overall Dimensions .....	8 1/2" W x 11" D x 5 5/8" H
Weight .....	7 lbs.
Shipping Weight .....	13.5 lbs.

## Instrument MS322

Overall Dimensions .....	7 3/16" W x 7 5/16" D x 4 11/16" H
Weight .....	3 lbs.
Shipping Weight .....	7 lbs.

## Ordering Information

MS324A .....	32-MS324A
MS324AB .....	32-MS324AB
MS322 .....	32-MS322

Soft Carrying Case MS324A, MS324AB .....	4-SCC
Wall Mount Bracket MS324A, MS324AB .....	9-WB-1
Wall Mount Bracket MS322 .....	9-322WB
High Impact Plastic Utility Cart .....	4-APS-2000
Stim-Sound® Indicator .....	32-SS
Balance Control Box .....	32-BCB

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