

SynchroSonic® U/HVG50 Specifications



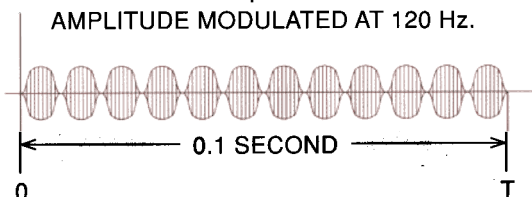
SynchroSonic U/HVG50 Combination Ultrasound with optional three shelf utility cart

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/cm² \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 cm² \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

High Volt Stimulator Features

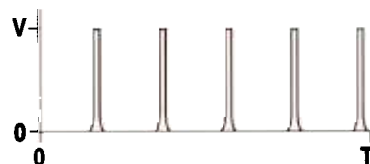
- Dual channel, 4 pad high volt pulsed dc stimulator
- Selectable frequencies - pulsation to tetanize
- Selectable surge and reciprocal rates - ramped
- Intensity reset circuit • Combination therapy capability

Low Voltage Galvanic Features

- Single channel, 2 pad low voltage galvanic (dc)
- 0 to 10 mA current for iontophoresis treatments
- Adjustable surge and alternating polarity surge rates
- Combination: iontophoresis/phonophoresis with FDA approved substances
- Two Year Warranty - Generator - Parts and Labor
- One Year Warranty - Transducer - Parts and Labor
- CSA Approved

Electrical Generator - High Volt

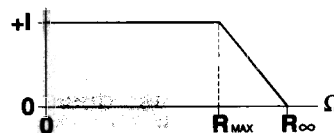
Waveform dc "needle" pulses with no parasitic spike



Output Voltage 0 to 500 peak V
 Output Intensity 20 μ C maximum charge
 per pulse into 100 Ω load
 Pulse Width 30 μ s
 Frequency Range 1 to 160 pulses per s
 Reciprocal/Surge Duration 2.5, 5 and 10 s

Electrical Generator - Low Voltage Galvanic

Description variable constant current source dc output



Output Intensity 0 to 10 mA
 Surge Duration variable 3.33 s on/off to 0.50 s on/off
 Alternating Polarity Surge variable 3.33 s \pm to 0.50 s \pm

Instrument U/HVG50

Overall Dimensions 19 1/2" W x 11" D x 7" H
 Weight (including transducer) 18 lbs.
 Shipping Weight 27 lbs.

Ordering Information U/HVG50

Standard Soundhead 32-U/HVG50
 Standard QuickConnect Soundhead 32-U/HVG50-D
 Small QuickConnect Soundhead 32-U/HVG50-SM
 Standard/Small QuickConnect Soundhead 32-U/HVG50-D2

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

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 electrotherapy equipment
 a division of Amrex-Zetron, Inc.

641 East Walnut Street, Carson, California 90746 (800) 221-9069 or (310) 527-6868 FAX (310) 366-7343

Web Site <http://www.amrex-zetron.com> E-Mail amrex@amrex-zetron.com