

SynchroSonic® U/50 and U/20 Portable Ultrasound Specification



U/20 Portable Ultrasound with optional wall mount bracket

Features

- Lightweight standard transducer
- Optional QuickConnect™ transducer
- Optional small transducer with QuickConnect cable
- Cable fault alarm system - U/50
- Transducer protection switch - U/50
- Adjustable interrupted output mode - U/50
- 0 to 20 watt output - U/50
- 0 to 12 watt output - U/20
- 30 minute timer
- Combination therapy capability - U/50
- Two Year Warranty - Generator - Parts and Labor
- One Year Warranty - Transducer - Parts and Labor
- UL Listed
- CSA Approved

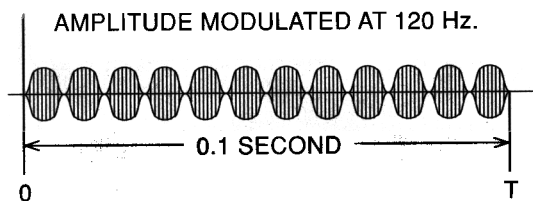
Input Power Requirements

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 U/50	adjustable interrupted & non-interrupted
Output Mode U/20	non-interrupted
Output Power U/50	0 to 20 W total \pm 20% 0 to 5 W/cm ² \pm 20%
Output Power U/20	0 to 12 W total \pm 20% 0 to 3 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

Instrument U/50 and U/20

Overall Dimensions	11½" W x 11" D x 7" H
Weight (including transducer)	12 lbs.
Shipping Weight	17 lbs.

Ordering Information U/50

Standard Soundhead	32-U/50
Standard QuickConnect Soundhead	32-U/50-D
Small QuickConnect Soundhead	32-U/50-SM
Standard/Small QuickConnect Soundhead	32-U/50-D2

Ordering Information U/20

Standard Soundhead	32-U/20
Standard QuickConnect Soundhead	32-U/20-D
Small QuickConnect Soundhead	32-U/20-SM
Standard/Small QuickConnect Soundhead	32-U/20-D2

Wall Mount Bracket U/50, U/20	9-WB
Soft Carrying Case U/50, U/20	4-SCC

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