

COMBOCARE™



An E-Stim and Ultrasound Combo Professional Device



Item #: DQ7844

*An all-in-one professional device
that provides electrotherapy
and ultrasound simultaneously
through the sound head!*

Description

The microprocessor controlled **ComboCare™** is a professional two-channel electrotherapy device that combines clinical ultrasound therapy with five treatment waveforms: IF 4-Pole, IF 2-Pole, Russian, EMS and TENS waveform. The large easy-to-read LCD panel allows the clinician to quickly set up treatment parameters. A dual frequency 5 cm² sound head comes standard with the unit. Its portable design lets you take it to your patient or keep it at the clinic. It's easy to use and is up and running within minutes. And its advanced operating system ensures a complete range of therapy no matter where you use it! You can choose between several different amplitude modulation options. The interferential and premodulated modes offer frequency modulation as well as a static frequency option.



Product Features

- Two channels of electrical stimulation output
- Large easy-to-read graphical LCD display with exact dial performance and programmable timer
- Waveforms include: IF 4-Pole, IF 2-Pole, Russian, EMS and TENS waveform
- 10 presets per waveform totaling 50 presets in all
- 20 ultrasound presets
- User-defined memory positions for user protocols
- Designed for tabletop, therapy cart or mobile use
- Includes four (50 x 50 mm) adhesive electrodes, four (50 x 100 mm) adhesive electrodes, two sets of rubber electrodes with sponges, two elastic straps, two sets of lead wires, AC adapter and power cord, electrical stimulation cable, electrode wire for ultrasound combination, 5 cm² ultrasound head, transmission gel and operating manual
- Product dimensions: 9.8" (W) x 7.3 (L) x 3.2 (H)
- UPC Bar Code Number: 0 92237 60546 2
- Product weight: 5.5 lbs
- 2-year warranty



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Distributed by:

Technical Specifications

GENERAL SPECIFICATIONS

Adapter Supply Voltage:	100-240 VAC, 47-63 Hz, 1.35A
Adapter Output:	15V — 3A Max.
Adapter Dimensions:	143mm (L) x 73mm (W) x 40mm (H)
Dimensions:	250mm (L) x 185mm (W) x 82 mm (H)
Operating Environment:	Temperature: 10°C (50°F) to 40°C (104°F) Relative Humidity: 30% - 85%
Storage Environment:	Temperature: -20°C (-4°F) to 55°C (131°F) Relative Humidity: 20% - 90%
Maximum Treatment Time:	60 minutes - electrical stimulation
Classification of protection against shock	Class II medical device
Classification of applied part	Type BF

Ultrasonic Generator Mode

Frequency (Freq):	1MHz ± 10% 3MHz ± 10%
Duty Factor (Duty):	10% - 100% , Stepping 10%
Pulse Repetition Rate:	100 Hz
Treatment Time:	Max. 30 minutes
Output Power:	0.5W - 10.0W, when duty factor ≥ 80% for 5cm ² 0.5W - 15.0W, when duty factor ≤ 70% for 5cm ² 0.1W - 2.0W, when duty factor ≥ 80% for 1cm ² 0.1W - 3.0W, when duty factor ≤ 70% for 1cm ²
Effective radiating area (Aer)	1. 0cm ² Optional 5. 0cm ²
Effective Intensity (Max):	3. 0W/cm ²
Indication Accuracy:	± 20% (for any level above 10% of maximum)

4-Pole Interferential Mode

Waveform Type:	Bi-phasic square
Mode Selection:	CC (Constant Current) or CV (Constant Voltage)
Vector:	Auto: 0%-100% Manual: 0°-90°
Carrier Frequency (C.F.):	4.0kHz
Sweep Low Beat Frequency: (Beat H.)	(Beat L.) - 150 Hz
Sweep High Bet Frequency: (Beat L.)	1-(Beat H.) Hz
Output Intensity:	0-50mA (CC, at 1k ohm load) 0-50V (CV, at 1k ohm load)
Treatment Time:	1-60 minutes

2-Pole Interferential Mode

Waveform Type:	Bi-phasic square
Mode Selection:	CC (Constant Current) or CV (Constant Voltage)
Carrier Frequency (C.F.):	2.5kHz
Sweep Low Beat Frequency: (Beat H.)	(Beat L.) - 150 Hz
Sweep High Bet Frequency: (Beat L.)	1-(Beat H.) Hz
Output Intensity:	0-50mA (CC, at 1k ohm load) 0-50V (CV, at 1k ohm load)
Treatment Time:	1-60 minutes
Cycle Time (Cycle):	Continuous, 5/5, 4/12, 10/10, 10/20, 10/30, 10/50
Ramp Time (Ramp):	2 seconds

TENS and EMS Mode

Waveform Type:	Mono- or Bi-phasic square
Mode Selection:	CC (Constant Current) or CV (Constant Voltage)
Frequency:	1-250 Hz
Frequency modulation (F.M.):	0-249 Hz
Burst Rate (Burst):	0-10Hz (7 pulse)
Phase Duration (P.Dur):	30-400µs
Amplitude Modulation (A.M.)	0%-100%
Output Intensity:	0-100mA (CC, at 1k ohm load) 0-100V (CV, at 1k ohm load)
Cycle Time (Cycle):	Continuous, 4/4, 4/8, 7/7, 5/5, 4/12, 10/10, 10/20, 10/30, 10/50
Treatment Time:	1-60 minutes
Ramp Time:	1 second

Russian Mode

Waveform Type:	Bi-phasic square
Mode Selection:	CC (Constant Current) or CV (Constant Voltage)
Carrier Frequency (C.F.):	2.5kHz
Burst Frequency (Freq.)	20-100 Hz
Output Intensity:	0-50mA (CC, at 1k ohm load) 0-50V (CV, at 1k ohm load)
Duty Cycle:	10%, 20%, 30%, 40%, and 50%
Treatment Time:	1-60 minutes
Ramp Time (Ramp):	1s, 2s, and 5s

Caution: This is a Class II Medical device and Federal law restricts this device to sale by or on the order of a licensed health care professional.