

DUET™

2 Channel Combination Interferential and Muscle Stimulator



Indicated for:

- Chronic Pain Management
- Acute Pain Management
- Muscle Spasms
- Increasing Blood Circulation
- Increasing Range of Motion
- Muscle Disuse Atrophy
- Muscle Re-Education

Professional Grade Electrotherapy Devices Made in the U.S.A.

Quality • Comfort • Value



PHOENIX
MEDICAL DEVICES

Technical Data and Specifications

Therapy Output Channels:	Two Independent Therapy Channels
Therapy Output Modes:	True Interferential and Conventional Muscle Stimulation
Waveform:	Symmetrical biphasic square wave with zero net DC component
Carrier Frequency:	4000 Hz
Interference Frequency (IF):	4001 Hz to 4150 Hz adjustable in 1 Hz increments
Net Therapeutic Frequency:	1 to 150 Hz – verifiable
Output Voltage:	22.5 volts peak / 0-45 volts peak-to-peak, adjustable in 1/10th volt increments (.2ma each increment)
Output Current:	0-45 milliamps peak / 0-90 milliamps peak to peak
Pulse Width:	125 micro seconds each phase
Power System:	2 AA batteries OR EAZE™ UL approved AC wall adapter
Wall Adapter:	EAZE™ UL approved AC wall adapter (included)
Compliance Timer:	Records sessions (0-999) and hours of usage (0-999)
Dimensions:	3.2" X 4.8" X 1.1" (81mm X 1 22mm X 27mm)
Weight:	6.0 oz. (170 Grams) including batteries
Preset Therapy Protocols:	15 (11 Interferential Stimulation, 4 Muscle Stimulation)



NOTE: Electrical output specifications for all channels are ± 10% into a 500 Ohm load using the EAZE™ AC wall adaptor

Preset Therapy Protocols

Interferential Stimulation

- (3) Abrupt frequency shifts - varying timing cycles
- (2) Ramped frequency shifts - varying timing cycles
- (2) Full Sweep frequency shifts - varying timing cycles
- (3) Dual Therapy - Combining Abrupt and Ramp shifts
- (1) Continuous Frequency - user selectable frequency

Muscle Stimulation

- (4) Conventional muscle stimulation protocols with varying contraction and relaxation cycle times
- 3/3 3 sec. contraction followed by 3 sec. relaxation
- 3/6 3 sec. contraction followed by 6 sec. relaxation
- 6/6 6 sec. contraction followed by 6 sec. relaxation
- 5/10 5 sec. contraction followed by 10 sec. relaxation

Safety and Convenience Features

- Advanced microprocessors monitor device safety parameters and will shut unit down to preserve patient safety
- Hardware and Software systems are constantly polling output levels to detect unsafe energy levels
- Maximum therapy amplitude lock and intra-therapy amplitude lock protects patient from unwanted amplitude levels
- Pause & resume allows immediate cessation of therapy - therapy intensity upon resumption is patient controlled
- Therapy lockout (set by healthcare provider or dealer) prevents patient from accessing non-beneficial therapies
- Selectable operating language in English, Spanish and French - leads to greater patient understanding and compliance
- Up-to-date, sophisticated electronic circuitry utilizing high quality components assures maximum patient comfort
- Duet is powered by either readily available and easily replaced alkaline AA batteries or the included AC adapter
- Duet is supplied with (2) high energy Duracell alkaline AA batteries

Manufactured in the USA by :

Phoenix Medical Devices, LLC
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