



# IF8000<sup>TM</sup>

## APPLICATIONS

- \* Symptomatic relief of chronic intractable post-traumatic and post-surgical pain (IF-mode)
- \* Relaxation of muscle spasms
- \* Prevention or retardation of disuse atrophy
- \* Increasing local blood circulation
- \* Muscle re-education
- \* Immediate post-surgical stimulation of calf muscles to prevent deep venous thrombosis
- \* Maintaining or increasing range of motion

## INTERFERENTIAL THERAPY

### Unique Features

- \* The IF8000 offers two-channel interferential operation with four electrodes, as well as a two electrode configuration.
- \* The IF8000 has five frequency shift options, allowing you to program the unit for specialized rehabilitation needs.
  - C Continuous mode. Beat frequency remains constant during the entire treatment period.
  - 1/1 Abrupt. Beat frequency shifts in one second durations from 30% below to 60% above the set frequency. (Thus at frequency of 10 Hz at 1/1, the net delivered beat frequency would modulate from 7 Hz to 16 Hz every other second).
  - 1/1 Ramped. Beat frequency ramps in one second durations from 30% below to 60% above the set frequency.
  - 6/6 Abrupt. Beat frequency shifts in six second durations from 30% below to 60% above the set frequency.
  - 6/6 Ramped. Beat frequency ramps from 30% below to 60% above the set frequency in 6 second intervals, with a slow, up and down ramping transition.
- \* The IF8000 has a constant current output that makes it safer and more comfortable than most other available devices.
- \* The IF8000 automatically shuts off after 20 minutes of treatment or other preset time.
- \* The IF8000 is portable, wearable, and easy to use.
- \* The IF8000 is covered by a three (3) year limited warranty.
- \* The IF8000 is controlled by a microprocessor that allows for advanced programming with many safety features.
- \* The IF8000 has a digital display.
- \* The IF8000 records compliance data, such as usage time and number of times used.
- \* Unique protection against reverse battery polarity - the IF8000 will work with either polarity.

### SPECIFICATIONS:

- \* Carrier Frequency: 4000 Hz nominal, fixed frequency.
- \* Adjustable Frequency: Continuous: 4001-4150 Hz nominal , Frequency Shift Mode: 4001-4240 Hz nominal.
- \* Interference Frequency: 1-150 Hz (Continuous mode), 1-242 Hz (Frequency Shift mode).
- \* Output Configuration: Interferential (4 electrode) and premixed interferential (2 electrode).
- \* Frequency Shift Options: Continuous, 1/1 ramped, 1/1 abrupt, 6/6 abrupt, 6/6 ramped
- \* Waveforms: Symmetric biphasic square with zero net DC.
- \* Output Current: 0-50 mA peak adjustable. (0-50 V peak into 1000 Ω)
- \* Pulse width: 125 usec.
- \* Power Source: One (1) 9V battery or AC adapter

All electrical specification are +/- 10% into real 500 ohm resistive load.

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