

FastStart® ICT



Neuromuscular Interferential Stimulator

Smooth, consistent and powerful stimulation for optimal results.

- Combination neuromuscular and interferential stimulation
- A powerful, but comfortable, 45 milliamps peak output
- Switch selectable beat frequencies
- User friendly amplitude control
- AC adapter included

FastStartSM
Orthopedic Products

800.652.1135

FastStart[®] ICT

Product Profile



Frequency Control

Controls the net frequency (beat frequency per second) obtained by the interference of the carrier frequency and the adjustable frequency.

Mode Switch

Allows selection of interferential mode with constant stimulation or neuromuscular mode with ON/OFF cycles.

Amplitude Control

Adjusts the strength of the stimulation delivered through both channels.

AC Adapter

For continuous 24-hour operation.

CAUTION: Federal (U.S.) law restricts this device to sale by or on the order of a practitioner licensed by the law of the State in which he/she practices to use or order the use of the device.

Power Source:	Four (4) alkaline AA batteries, or AC Adapter	Output current:	0-45 milliamps peak adjustable
Size:	5.3" x 2.7" x 1.27" (including amplitude dial)	Output voltage:	45 Volts peak adjustable
Weight:	8.82 oz. with batteries	Base carrier frequency:	3910 Hz, fixed medium frequency
Electrodes:		Adjustable frequency:	3920-4060 Hz.
Minimum size:	2" x 2" or 1.8" round (with 3/8" curvature)	Interference frequencies:	10, 20, 80, 150 Hz. (switch selectable)
Output type:		Waveform:	Symmetrical biphasic square with zero net DC
IF	Interferential, Constant;	Pulse width:	125 microseconds for each phase
NM	Neuromuscular, 6 second ON, 12 second OFF duty cycle. The ON cycle includes a 2 second ramp up period.		
Output configuration:		The FastStart ICT is covered by a three (3) year limited warranty from the date of shipment from the factory for single patient use and a one (1) year limited warranty for hospital and clinic use.	
IF	4 electrodes, 2-Channel;		
NM	2 electrodes, 1-Channel or 4 electrodes, 2-Channel		

Indications

- Symptomatic relief of chronic intractable pain and as an adjunctive treatment in the management of post-traumatic and post-surgical pain
- 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 venous thrombosis
- Maintaining or increasing range of motion.

Stimulators should only be used under medical supervision for adjunctive therapy for the treatment of medical diseases and conditions.

Contraindications

- Stimulators should not be used on patients with cardiac demand pacemakers

Warnings

- The long term effects of chronic electrical stimulation are unknown
- Stimulation should not be applied over the carotid sinus nerves, particularly in patients with a known sensitivity to the carotid sinus reflex
- Stimulation should not be applied over the neck or mouth. Severe spasm of the laryngeal and pharyngeal muscles may occur and the contractions may be strong enough to close the airway or cause difficulty in breathing
- Stimulation should not be applied transthoracically in that the introduction of electrical current into the heart may cause cardiac arrhythmias
- Stimulation should not be applied transcerebrally
- Stimulation should not be applied over swollen, infected, or inflamed areas or skin eruptions, e.g. phlebitis, thrombophlebitis, varicose veins, etc.
- Stimulation should not be applied over, or in proximity to, cancerous lesions

Adverse Reactions

Skin irritation and burns beneath the electrodes have occasionally been reported with the use of stimulators.

Precautions

- Safety of stimulators for use during pregnancy has not been established
- Caution should be used for patients with suspected or diagnosed heart problems
- Caution should be used for patients with suspected or diagnosed epilepsy
- Caution should be used in the presence of the following:
 - When there is a tendency to hemorrhage following acute trauma or fracture;
 - Following recent surgical procedures when muscle contraction may disrupt the healing process;
 - Over the menstruating or pregnant uterus; and
 - Over areas of the skin which lack normal sensation
- Some patients may experience skin irritation or hypersensitivity due to the electrical stimulation or electrical conductive medium. The irritation can usually be reduced by using an alternative conductive medium or alternate electrode placement.
- Electrode placement and stimulation setting should be based on the guidance of the prescribing practitioner
- Keep out of reach of children
- Use only with the leads and electrodes recommended for use by the manufacturer
- Portable stimulators should not be used while driving, operating machinery, or during any activity in which involuntary muscle contractions may put the user at undue risk of injury

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