

Specifications

ORTHOSTIM³

A T.E.A.R. Technology® Product

Specifications

- 1- or 2-channel neuromuscular
- Interferential and premodulated interferential
- Simultaneous or alternating channels in neuromuscular and high-volt pulsed current
- Modulation options in interferential and high-volt pulsed current
- Selectable neuromuscular waveforms
- Switches modalities without patient interaction
- Allows multiple treatments consecutively or in a loop
- Compatible with conductive garments
- Backlit LCD screen and pushbutton keypad
- Patient lockout
- Patient safety shutoff feature
- 20 available patient-selectable presets
- Color-coded lead wire and electrode system
- 24-hour continuous treatment capability
- Customizable outcome questions displayed during patient use



1. Carrying case with removable shoulder pouch
2. Nonsterile, reusable electrodes
3. Adhesive remover towelettes
4. Patient manual
5. OrthoStim3 electrotherapy device and cradle/modem
6. Nonrechargeable alkaline battery packs
7. Lead wire
8. AC adapter
9. Telephone cord with splitter

Indications

- Symptomatic relief of chronic intractable pain and as an adjunctive treatment in the management of post-traumatic and postsurgical pain relief
- Relaxation of muscle spasms
- Prevention or retardation of disuse atrophy
- Increasing local blood circulation
- Muscle re-education
- Immediate postsurgical stimulation of calf muscles to prevent venous thrombosis
- Maintaining or increasing range of motion

Contraindication

- 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

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 settings 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

Adverse Reactions

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

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

CAUTION

Federal 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.

ORTHOSTIM³

A T.E.A.R. Technology® Product



The Power of 3

Interferential
Neuromuscular
High-Volt Pulsed Current

VQ OrthoCare
Patient-Centered Solutions

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Trimodality Electrotherapy from VQ OrthoCareSM

ORTHOSTIM 3™

A T.E.A.R. Technology® Product

All E-Stim is Not Created Equal



The Power of 3

- 1 Interferential stimulation for managing pain
- 2 Neuromuscular stimulation for strengthening
- 3 High-volt pulsed current stimulation for increasing circulation

OrthoStim3's multiple modalities can be utilized separately or in sequence to facilitate rehabilitation and pain relief, and to provide adjunctive treatment for care related to acute, chronic or intermittent conditions.

Now there's OrthoStim3, the trimodality rehabilitative electrotherapy system available exclusively from VQ OrthoCare. OrthoStim3 puts the power of VQ's proprietary T.E.A.R. (Targeted Electronic Analgesic Rehabilitation) Technology® to work providing patients with physician-prescribed care – and providing physicians with enhanced capabilities for tracking and managing that care.

VQ quality—different by design

OrthoStim3 is a powerful example of VQ OrthoCare's commitment to patient-focused care through the development of innovative, state-of-the-art products. Its revolutionary design incorporates several unique features, including the ability to provide continuous 24-hour pain relief, switch between modalities without patient interaction, and utilize conductive garments as an alternative to electrodes. OrthoStim3 seamlessly integrates these features with enhanced patient communications and comprehensive customer service.

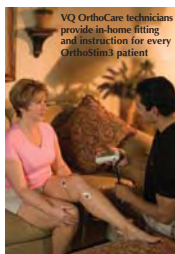
Our E-stim speaks for itself

A modem in the OrthoStim3 cradle facilitates two-way communication between patients and VQ OrthoCare through a standard telephone line. OrthoStim3 even works while patients sleep. When placed in its cradle at night, it connects with VQ's Web site to download patient usage data and adjust settings per physician instruction. OrthoStim3 also



OrthoStim3 even works while patients sleep, downloading usage data to VQ OrthoCare's Web site to help monitor compliance

enables physicians to customize the content and frequency of outcome-related questions for each patient. In addition, a compliance report may be requested at any time to provide physicians with all the information they need to keep their fingers on the pulse of a patient's recovery.



VQ OrthoCare technicians provide in-home fitting and instruction for every OrthoStim3 patient



OrthoStim3: Advanced technology, all-inclusive pricing, and unparalleled patient and physician support

You write the Rx, we do the rest

VQ OrthoCare's Episode of Care prescription model helps simplify the insurance equation by providing patients and payors with cost-effective, all-inclusive pricing. But that's just one aspect of VQ OrthoCare's dedication to service and support. VQ technicians provide personalized in-home fitting and instruction, and our patient care representatives are available – around the clock, seven days a week – to provide assistance, answer questions and help monitor progress and compliance.

VQ's Continuum of Care

Another dimension of VQ OrthoCare's commitment is our Continuum of Care concept, which focuses on the interaction between physicians, patients, payors and VQ's support team. This collaboration is a foundational element of VQ OrthoCare's philosophy, and plays a key role in ensuring the highest standards of communication, compliance, continuity and customer service for all parties involved.

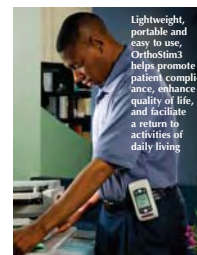


Advantages for physicians

- Enhanced patient compliance and positive outcomes
- Treatment data downloading and tracking capabilities via Internet connection
- Ability to remotely adjust program settings for individual patients
- Patient compliance reports on request
- Comprehensive patient support provided by VQ OrthoCare

Benefits for patients

- Effective pain relief, which may help promote a return to activities of daily living
- Convenient, portable, easy to use
- Non-narcotic, noninvasive, nonaddictive
- Alternative or adjunct to Cox II inhibitors
- Comprehensive technical and customer service support



Lightweight, portable and easy to use, OrthoStim3 helps promote patient compliance, enhance quality of life, and facilitate a return to activities of daily living



T.E.A.R. Technology

Targeted

- To specific clinical outcomes
- To rehabilitative patients
- To upper and lower extremities
- To cervical, thoracic and lumbar regions
- To physicians and clinical professionals
- To patient, physician and payor satisfaction

Electronic

- Digital and fully programmable
- Microprocessor-controlled to provide precise treatment parameters
- LCD readouts and patient-friendly pushbutton keypad
- Protocol driven—developed for physicians, by physicians
- Designed for outcome data recording and reporting

Analgesic

- Provides symptomatic relief and management of acute or chronic pain
- Non-narcotic and nonaddictive
- Noninvasive
- 24-hour continuous treatment cycle with customized Episode of Care

Rehabilitation

- Increases local blood circulation
- Promotes muscle re-education and range of motion
- Enhances compliance and promotes positive outcomes
- Adjunctive treatment throughout the rehabilitative period