EMFIELD PRO

Technical Data

Magnetic power	Up to 3 Tesla (Large applicator) Up to 2.5 Tesla (Medium applicator)
Channels	2
Frequency	1 – 150 Hz
Treatment protocols	Programs: 6 Favorites: 20 Expert mode: 20
Treatment time	1 – 60 minutes
Interface	8" LCD touch screen and central button
Dimensions	21.3" (L) × 19.7" (W) × 39.1" (H)
Weight	Approx. 132 lb

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Zimmer MedizinSystems

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emField*Pro*

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EMFIELD PRO

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Taking HEIT to new heights!

Zimmer MedizinSystems introduces a new dimension in High Energy Inductive Therapy (HEIT) - the new emField***Pro*** device for muscle stimulation.

With power up to 3 Tesla (equivalent to 30,000 Gauss), the new emField***Pro*** offers full and painless penetration. All of this, without any consumables or the need for the patient to disrobe.

Setup is quick and treatment time is typically ten to twenty minutes. Treatment can be mostly unattended.

Zimmer MedizinSystems

High Energy Inductive Therapy

The human body is a good conducting medium and that also applies to magnetic fields. As ions in a cell have a charge, the cell membrane also needs a certain amount of charge.

The membrane charge of normal, healthy cells is higher than that of diseased or aged cells, including bacteria and viruses. When the cell membrane charge is low, the cell has too little energy to perform its normal function.

Therefore cells need energy, and stimulation via an electro-magnetic field is known to increase this energy and optimize the function of the cell.

Electromagnetic fields can penetrate cells, tissues, organs and bones without any change or loss, activate the electrochemistry of tissues, and improve cell and cell membrane function.

The emField***Pro*** generates a magnetic field of up to 3 Tesla, which is about 600 times stronger than a normal magnet. This strong magnetic field then stimulates nerve cells, muscles, and blood vessels.

Zimmer MedizinSystems

Treatment with emField*Pro*

Combined application – static and dynamic

Often, a treatment area is not homogeneous, and pain is not evenly present in the treatment area either. Trigger or pain points might or might not lie within the painful area or area to be treated. Trigger points and pain points are typically treated statically while other areas are treated dynamically.

With combined treatment, care should be taken to ensure that static therapy is initially applied to pain and trigger points. Extensive treatment can then be continued with dynamic application.

Static treatment

For static treatments, use of the large applicator is recommended.

It is mounted onto the applicator arm.

Pain points and trigger points for static treatment are initially palpated. The treatment is then administered by selecting the appropriate power output. Every pain point or trigger point is treated.

Dynamic treatment

For dynamic treatments, use of the medium applicator is recommended.

No direct skin contact is needed. Pain or treatment zones are initially palpated. The treatment is then administered by selecting the appropriate power output. Make sure the whole treatment zone is treated.

Relaxation of muscle spasm

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

EMFIELD PRO

CLINICAL INDICATIONS

EMFIELD PRO
PRACTITIONER STATEMENTS

High Energy Inductive Therapy on Lumbar Spine Conditions

"It has been very beneficial with a wide variety of conditions. With the depth that it penetrates, it has been extremely effective for lumbar spine conditions. I have been amazed at how effective the emField***Pro*** has been."

Chuck Bagwell, Doctor of Physical Therapy, Yorba Linda, California

High Energy Inductive Therapy on Hypertonic Musculature

"In the management of spastic or hypertonic musculature, I have found that utilizing the emField***Pro*** not only relaxed the musculature, but provided a great pain management mechanism, as well - in as short as 20 minutes."

Farley Brown, Doctor of Chiropractic, Fallbrook, California

Post-operative High Energy Inductive Therapy

"I had a patient who had undergone elbow surgery and was not able to return to work for almost a year. He had tried various therapies that did not produce results. By the time he sought treatment with me, he was suffering from Chronic Pain Syndrome. We started a multi-disciplinary approach, combining emField***Pro***, intense exercise, and manual techniques. Within 6 weeks, the patient was able to resume part-time work, and after 3 months he was completely back on track."

Ralf Mühlhäuser, Physical Therapist, Ulm, Germany

High Energy Inductive Therapy on Chronic Pain

"A patient came in for a second opinion because of pain in her elbow. Earlier therapies that had been suggested were very painful and didn't achieve any results.

We offered her two painless emField***Pro*** sessions and her elbow problems were completely relieved."

Nijas Backer, Physical Therapist, Dubai, UAE

Improve your therapeutic results

Cutting-edge technology offering a competitive advantage for your clinic

A powerful addition to your therapy tool box