

Functional Magnetic Stimulation

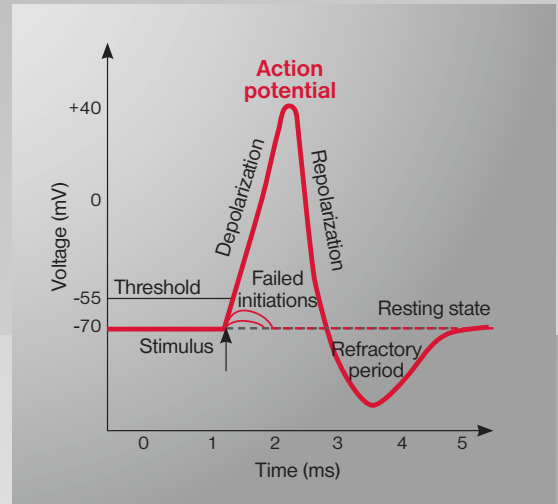
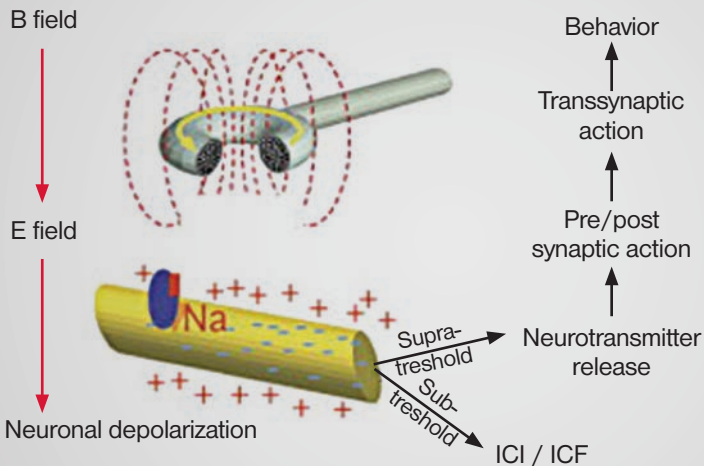
FMS

- New, innovative pain relief therapy with 1.7 Tesla
- Contactless muscle stimulation
- The strongest magnetic therapy in physical therapy
- Extremely effective for a wide spectrum of disorders
- Noninvasive and painless
- Allows stimulation of deep muscles structures
- No side effects of therapy reported
- Touchscreen for easy and user-friendly operation



TESLA Stym

How does a magnetic field activate a muscle?



Rapid changes of magnetic field intensity induce an electrical current in the neuron. This phenomenon is called electromagnetic induction.

Once the current reaches a certain value, a so-called neuron action potential is achieved. This causes the neuron cell to depolarize, which eventually leads to a complete muscle contraction.

What are the advantages of TESLA Stym FMS, Functional Magnetic Stimulation?

- FMS allows stimulation of deep muscle structures that cannot be reached by electrotherapy.
- FMS effectively stimulates muscle tissue without direct skin contact.
- Magnetic field also affects on all tissue underneath the applicator with a field strength of 1.7 T.
- FMS is painless, noninvasive and thus suitable for patients where electrotherapy cannot be used.
- The applicator can be fixed to the body or the therapist can perform therapy manually.
- Manually moving the applicator allows motor units to be found easily, enabling effective stimulation.
- No negative side effects are known in the literature as long as contraindications are taken into account.



Indications:

- Relieving acute pain of the musculoskeletal system
- FMS increases tissues blood flow
- Degenerative rheumatism
- Neuritis
- Nerves paralysis and paresis
- Neuropathies: – Motor
 - Sensory
 - Sensory-motor
 - Mononeuropathies
 - Polyneuropathies
- Posttraumatic states
- Rehabilitation after immobilization
- Sports injuries rehabilitation
- Stroke rehabilitation
- Postoperative states
- Bone fracture healing
- Accelerate the fracture and wound healing



TESLA Stym
(Code: 1800513)



TESLA Stym prestige
(Code: 1800514)

TESLA Stym



Applicators

Arm for applicator FMS

(Code: 1600631)



Technical data:

Model:	TESLA Stym	TESLA Stym prestige
Code:	1800513	1800514
Magnetic field strength:	max 1,7 Tesla	
Therapy frequency:	1 to 80 Hz	
Modulation:	amplitude or frequency modulation	
Active time:	1 s to 20 s	
Pause time:	0 s to 240 s	
Max no. of steps per program:	8	
Max duration of each step:	1 s to 20 min	
Therapy duration:	1 - 60 min	
Pre-set programs:	100	
Manual programs:	72	
Fuse:	2 x T10A	
Input voltage:	240V AC, 50~60Hz	
Power:	1500 VA	
Size (W x L x H):	43 x 60 x 26 cm	47 x 60 x 27
Weight:	8,5 kg	9,5 kg
IEC 60601/1 classification:	Class I, Type BF	
MDD 93/42/EEC classification:	Class IIa	

Basic Set:

Item	pc
Applicator FMS large (Code: 1511306)	1
Applicator FMS medium (Code: 1511305)	1
Fixing rubber strap 3,2 x 100 cm (Code: 1504111)	4
Mains cable (230V, EURO plug)	1
User's Manual	1

Options:

Item
Magnetic field strength: max 2,5 Tesla
Safety button
Arm for applicator FMS (Code: 1600631)
Trolley Green Eco (Code: 4900281)
Trolley Prestige Plus (Code: 1600858)

Trolley Prestige Plus

(Code: 1600858)



Trolley Green Eco

(Code: 4900281)

DISTRIBUTOR:

PRODUCER:

Iskra Medical d.o.o., Stegne 23, 1000 Ljubljana
Office: Otoče 5a, 4244 Podnart, Slovenia

P: +386 4 53 25 760, +386 4 53 25 762, F: +386 4 53 25 718

M: +386 41 622 918, E: info@iskramedical.eu, W: www.iskramedical.eu

