

I-TECH PHYSIO EMG

**ELECTROTHERAPY:
TENS - EMS - FES - IONOPHORESIS - REHAB
ELECTROMYOGRAPHY**

Highly innovative device for electrotherapy and electromyography with 4 channels and 2 emg independent outputs. Simultaneous treatment of two patients using different programs. Particularly indicated for muscle rehabilitation and diagnostic.



**PROFESSIONAL
THERAPY**



I-TECH
MEDICAL DIVISION

I-TECH PHYSIO EMG

MAIN TECHNICAL FEATURES

- Electrotherapy with four independent channels for the connection of 8 electrodes
- Treatment selection for single patient or for two patients using different programs
- Constant current generator (it can guarantee a constant current even when skin condition changes, the device automatically stops in the event of accidental electrodes disconnection)
- Compensated biphasic square wave: current quantity from positive pole to negative one is constant to avoid hazardous thermal effect of polarization
- Monophasic wave generator
- Diadynamic, Interferential, High voltage, Kotz, Neofaradic, Osteogenesis wave;
- Maximum intensity 240 mApp, with 0,5 mA step regulation;
- Controlled stimulation program
- Pre-adjusted programs or free memories for denervated muscle treatment
- EMG protocols for muscle myographic analysis
- EMG working modes: Underthreshold or Target
- User feedback: I-TECH PHYSIO EMG recognizes patient connection;
- Graphic display for fast instructions
- Soft-touch easy to use keyboard;
- Operation with power supply or with internal rechargeable battery
- Fully programmable device
- Medical device CE0476
- Dimensions 180x110x50 mm

KIT

- Device with graphic display and four independent channels
- Electrodes connection cables
- Filter amplifier
- Auto-adhesive pregelled electrodes
- EMG adhesive electrodes
- Kit ionophoresis
- Pencil like electrode for electro-point stimulation
- Internal rechargeable battery and dedicated power supply
- User manual and electrodes position manual
- Carriage bag



PROGRAMS

WAVE

- 01-Tens rapid
- 02-Tens endorphinic 0.5
- 03-Tens endorphinic 1
- 04-Tens endorphinic 2
- 05-Tens sequential
- 06-Tens maximum value
- 07-Tens Burst
- 08-MENS Microcurrent
- 09-Ionophoresis 1
- 10-Ionophoresis 2
- 11-Hematoma
- 12-Oedema
- 13-MF Diadynamic
- 14-MFSR Diadynamic
- 15-MFSL Diadynamic
- 16-DF Diadynamic
- 17-DFSR Diadynamic
- 18-DFSL Diadynamic
- 19-Dia short period
- 20-Dia long period
- 21-HVPC
- 22-Current Kotz
- 23-Neofaradic 20Hz
- 24-Neofaradic 50Hz
- 25-Neofaradic 100Hz
- 26-Interferential
- 27-Ionophoresis DC generator

EMS

- 01-Tone recovery
- 02-Strength recovery
- 03-Basic strength*
- 04-Fast strength*
- 05-Explosive Strength*
- 06-Long effort
- 07-Endurance*
- 08-Capillarization
- 09-Recovery*
- 10-Agonist/Antagonist*
- 11-Lipolysis*
- 12-Drain up
- 13-Microlifting
- 14-Atrophy prevention*
- 15-Atrophy*
- 16-Sequential Tonic 1*
- 17-Sequential Phasic 2*

REHAB

- 01-Denervated
- 02-Partially denervated
- 03-Stress incontinence
- 04-Urge incontinence
- 05-Mixed incontinence
- 06-Inflammatory
- 07-Neck pain
- 08-Lower back pain
- 09-Sprains/Bruises
- 10-Hand and wrist pain
- 11-Plantar stimulation
- 12-Epicondylitis
- 13-Epitroclea
- 14-Periarthritis
- 15-Neuralgias
- 16-Menstrual pains
- 17-Carpal Tunnel
- 18-Tendon pain
- 19-Strain
- 20-Sprain
- 21-Herpes Zoster
- 22-Wound Healing
- 23-Wound Bactericide
- 24-Venous insufficiency
- 25-Superficial Osteogenesis

MEMORY

- 01-Denervated 1
- 02-Denervated 2
- 03-Tens Mem 1
- 04-Tens Mem 2
- 05-Tens Mem 3
- 06-Tens Mem 4
- 07-Tens Spyke
- 08-EMS 1 second slope
- 09-EMS 1 second slope
- 10-EMS 2 seconds slope
- 11-EMS 2 seconds slope
- 12-EMS 3 seconds slope
- 13-EMS 3 seconds slope
- 14-FES Mem 1
- 15-FES Mem 2
- 16-Agonist/Antagonist 1
- 17-Agonist/Antagonist 2
- 18-Agonist/Antagonist 3

* These programs allow 6 different settings (man-woman, upper limbs, trunk, lower limbs).



Ref Test



Working mode: target



Working mode: under threshold

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