

I-TECH UE

Professional device developed to meet physiotherapists needs thanks to its three operating methods: ultrasound therapy (1 MHz - 3 MHz), electrotherapy and combined therapy (ultrasound-electrotherapy).

Combined programs take advantage of the therapeutic effects of both therapies (ultrasound and electrotherapy) providing a high performing device ideal for several therapeutic protocols.

MEDICAL DEVICE CLASS IIa

I-TECH UE is a medical device CE0476.

TECHNICAL FEATURES

- ✓ Power supply input 100V-240V, 47Hz-63Hz, 1.35A, output 15V 3A Max
- ✓ On-line guide on LCD display for fast instructions

ULTRASOUND

- ✓ Ultrasound frequency 1 MHz \pm 10%, 3 MHz \pm 10%
- ✓ Output power
 - 0.5 W - 10 W \pm 20% when duty cycle \geq 80% for 5 cm² ultrasound head
 - 0.5 W - 15 W \pm 20% when duty cycle \leq 70% for 5 cm² ultrasound head
- ✓ Effective intensity 3 W/cm² \pm 20% (1 MHz)
3 W/cm² \pm 20% (3 MHz)
- ✓ Working frequency 100 Hz
- ✓ Duty cycle 10%-100% stepping 10%
- ✓ Maximum adjustable therapy time 30 minutes
- ✓ Effective radiating area 5 cm² \pm 20%
- ✓ Collimated beam type
- ✓ Ultrasound head (material) aluminum
- ✓ Direct contact and water immersion use
- ✓ Led indicator for ultrasound head detector

DIMENSIONS

300 x 186 x 86 mm



ELECTROTHERAPY

- ✓ Compensated biphasic square wave
- ✓ Constant current (CC) or constant voltage (CV)
- ✓ Waveforms: TENS, EMS, Kotz (Russian), Interferential
- ✓ Therapy time 1÷60 minutes
- ✓ Frequency 1÷250 Hz
- ✓ Adjustable intensity 0÷100 mA
- ✓ Adjustable voltage 0÷100 V
- ✓ Width impulse 30÷400 μ s
- ✓ Led indicator

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HOW DOES IT WORK

I-TECH UE is a professional device for electrotherapy, ultrasound therapy and combined therapy. Thanks to its free programs I-TECH UE is an ideal device for professional user that can choose between three operating modes (ultrasound therapy, electrotherapy and ultrasound+electrotherapy).

The user can adjust the parameters according to therapeutic needs for each mode. Moreover the combined therapy add the therapeutic effects of ultrasound (thermal, vasodilation and trophic) to electrotherapy analgesic effects.

I-TECH UE constantly informs the user about the correct working status thanks to a flashing led detector (the led turns on when the electrodeskin coupling is correct).

MAIN TREATMENTS

- ✓ Tendinitis
- ✓ Bursitis
- ✓ Capsulitis
- ✓ Hematomas and tissues reconstructions
- ✓ Muscle contractures/Cramps
- ✓ Neuralgias
- ✓ Periarthritis
- ✓ Cervicalgias
- ✓ Sciatalgy/Lumbalgy
- ✓ Carpal tunnel syndrome
- ✓ Epicondylitis/epitrocleitis
- ✓ Contusions/sprains
- ✓ Condropathy
- ✓ Massage
- ✓ Arms/abdomen/legs/gluteus cavitation
- ✓ Acne
- ✓ Acute and chronic pain
- ✓ Inflammations
- ✓ Post surgical oedema
- ✓ Atrophy
- ✓ Local circulation increase

ACCESSORIES

- ✓ Trolley with 3 shelves and power sockets
- ✓ Adjustable arm
- ✓ Support for ultrasound head

