

I-TECH UT2

High tech professional ultrasound 1/3 MHz equipped with two ultrasound heads (5 cm² and 1 cm² area).

The two ultrasound heads allow treatments of different size areas. I-TECH UT2 is a device that easily meets patient therapeutic needs.



MEDICAL DEVICE CLASS IIa

I-TECH UT2 is a medical device CE0476

KIT

- ✓ I-TECH UT2 device
- ✓ 2 ultrasound heads: 5 cm² and 1 cm²
- ✓ Medical power supply
- ✓ Gel for ultrasound therapy
- ✓ User manual

TECHNICAL FEATURES

- ✓ Power supply input 100V-240V, 47Hz- 63Hz, 1.35A, output 15V 3A Max
- ✓ Ultrasound frequency 1 MHz ± 10% and 3 MHz ±10%
- ✓ Output power 0.5 W - 10 W ± 20% when duty cycle ≥ 80% for 5 cm² ultrasound head
0.5 W - 15 W ± 20% when duty cycle ≤ 70% for 5 cm² ultrasound head
0.1 W - 2 W ± 20% when duty cycle ≥ 80% for 1 cm² ultrasound head
0.1 W - 3 W ± 20% when duty cycle ≤ 70% for 1 cm² ultrasound head
- ✓ Effective intensity 3 W/cm² ± 20% (1 MHz)
3 W/cm² ± 20% (3 MHz)
- ✓ Working frequency 100 Hz
- ✓ Duty cycle 10%-100% stepping 10%
- ✓ Maximum adjustable therapy time 30 minutes
- ✓ Effective radiating area 5 cm² ± 20%; 1 cm² ± 20%
- ✓ Collimated beam type
- ✓ Ultrasound head (material) aluminum
- ✓ Direct contact and water immersion use
- ✓ Led indicator for ultrasound head detector

MAIN TREATMENTS

- ✓ Tendinitis
- ✓ Bursitis
- ✓ Capsulitis
- ✓ Hematomas and tissues reconstructions
- ✓ Muscle contractures
- ✓ Cramps
- ✓ Neuralgias
- ✓ Periarthritis
- ✓ Cervicalgias
- ✓ Sciatalgy/Lumbalgy
- ✓ Carpal tunnel syndrome
- ✓ Epicondylitis/epitrocleititis
- ✓ Contusions
- ✓ Sprains
- ✓ Condripathy
- ✓ Massage
- ✓ Arms/abdomen/legs/gluteus cavitation
- ✓ Acne

DIMENSIONS

300 x 186 x 86 mm

I-TECH UT2

HOW DOES IT WORK

Over the last thirty years ultrasound therapy has been used efficiently to treat many pain conditions. Recently it is used successfully also in the aesthetic treatments.

Ultrasound waves cross through anatomic structures provoking different biological effects:

- ✓ **Thermal:** energy to heat conversion increases significantly local temperature, in particular between tissues with different acoustic impedance (for example bone/soft tissues), and increases microcirculation
- ✓ **Mechanical/chemical:** spressure variations provoke fluids movement and an increase of cell membranes permeability
- ✓ **Cavitation:** ultrasound waves are able to produce vapor bubbles that implode. As a consequence the delivered energy disintegrates adipose cells

I-TECH UT2 is a professional ultrasound device equipped with 2 handles respectively with 5 cm² and 1 cm² head. Thanks to its equipment and parameters setting I-TECH UT2 is a high performing device particularly indicated for professional user.

I-TECH UT2 is provided with 10 preadjusted programs and professional user can modify, and memorize, the following parameters:

- ✓ Frequency (1 MHz or 3 MHz)
- ✓ Effective intensity (up to 3 W/cm²)
- ✓ Duty cycle (10%÷100% stepping 10)
- ✓ Therapy time (up to 30 minutes)

ACCESSORIES

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

Handle
with 5 cm² ultrasound head

Handle
with 1 cm² ultrasound head

