I-TECHAR - PROFESSIONAL TECAR THERAPY

• 28363 I-TECHAR TECAR THERAPY

Diathermy, also known as TECAR Therapy (meaning Capacitive and Resistive Energy Transfer), is a therapy stimulating the physiological healing process by accelerating the recovery time of motor function.

Diathermy stimulates tissues endogenous heat production through the interaction of electromagnetic field and tissue. The heat is increased in a uniform controlled way. The electromagnetic interaction results in a ionic flow and consequently increases blood flow in the treated area. This process stimulates endogenous substances release (in particular cortisol and endorphins) that are necessary to reduce inflammations, pain and edemas.

The new I-TECH.AR resistive/capacitive diathermy is a modern and highly performing device easy to use by professionals. Pre-programmes help the device from the start. Moreover the device can set parameters (power, time therapy, capacitive/resistive modes) according to therapeutic needs. It is provided with SMART CARD to allow the memorization of customized programmes. In this way patient protocols are easily consulted by therapists at any time.

I-TECH.AR is equipped with a wide graphic display showing therapy parameters and different working modes. Menu can be easily scrolled by a comfortable control knob.

• 33251 CONDUCTIVE CREAM DISPENSER 1 kg

Moisturizing conductive cream ideal for Tecar therapy.

Applications:
Contusions - Cervical brachialgia - Cervicalgia - Coxaarthrosis - Distorsions
Epicondylitis - Gonarthrosis - Lumbago - Lumbo-sciatica - Metatarsalgia
Muscle pathologies - Muscle sprains - Myalgia - Painful phantom limb
Patellar chondropathy - Plantar fasciitis - Relief treatment of muscles
Tendinitis - Tendon lesions

I-TECHUT2 - PROFESSIONAL ULTRASOUND THERAPY

• 28358 I-TECH UT2 ULTRASOUND THERAPY - 2 probes

Professional ultrasound device equipped with 2 handles respectively with 5 cm² and 1 cm² probe. Its equipment and parameters setting allow high performance suitable for professional users. It is provided with 10 preset programmes within which professional user can adjust following parameters:
- Frequency (1 or 3 MHz)
- Effective intensity (up to 3 W/cm²)
- Duty cycle (10%-100% stepping 10)
- Therapy time (up to 30 minutes)

Applications:
Tendinitis - Bursitis/Capsulitis - Hematomas and tissue reconstruction
Muscle contractures/Spasms - Neuralgias - Periarthritis - Cervicalgias
Sciatalgia/Lumbalgia - Carpal tunnel syndrome - Epicondylitis/Epitrochleitis - Contusions/sprains - Chondropathy - Massage - Arms/abdomen/legs/gluteus caviation - Acne

I-TECH - ELECTROMEDICAL DEVICES

TECHNICAL SPECIFICATIONS

I-TECHAR - PROFESSIONAL TECAR THERAPY

Power supply 220-240 V, 50/60 Hz
Power consumption 100 W
Working maximum power consumption 120 W
Peak power consumption 200 W
Peak voltage: Resistive 105 V max
Peak current: Resistive 1.3 A max
Carriage frequency 455 kHz
Adjustable power 0-100%
Touch screen graphic display
Preset programmes, free memories, Smart Card

I-TECHUT2 - PROFESSIONAL ULTRASOUND THERAPY

Output power: 0.5-10 W ± 20% when duty cycle ≥ 80% for 5 cm² ultrasound head
0.5-15 W ±20% when duty cycle ≤ 70% for 5 cm² ultrasound head
0.1-2 W ±20% when duty cycle ≥ 80% for 1 cm² ultrasound head
0.1-3 W ±20% when duty cycle ≤ 70% for 1 cm² ultrasound head
Max Power: 3 W/cm² ± 20% (1 MHz)
3 W/cm² ± 20% (3 MHz)
Operating voltage: 100-240 V, 47/63 Hz, 1.35 A, output 15V 3A max
Ultrasound frequency: 1 MHz ± 10% and 3 MHz ±10%
Output power: 0.5-10 W ± 20% when duty cycle ≥ 80% for 5 cm² ultrasound head
0.5-15 W ±20% when duty cycle ≤ 70% for 5 cm² ultrasound head
0.1-2 W ±20% when duty cycle ≥ 80% for 1 cm² ultrasound head
0.1-3 W ±20% when duty cycle ≤ 70% for 1 cm² ultrasound head
Max Power: 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 Ultrasonic head (material) aluminium
Direct contact and water immersion use
Led indicator Size: 350x186x86 mm