

device for physiotherapy with radio frequency current - TECAR



FUNCTIONAL FEATURES

- 7" color display with touch panel
- 1 treatment channel
- manual, program and anatomical operation mode
- AUTO mode - simplified operation thanks to automatic electrode detection
- possibility of editing parameters during the treatment
- possibility of editing the therapy time during the treatment (e.g. extending the time without the need to interrupt the treatment procedure)
- disease entities selected by name, medical field, anatomical mode or by search
- database of preset treatment sequences in the form of an encyclopaedia with descriptions of the methodology and presentation of manual therapy techniques with patient movement
- possibility of creating user programs
- possibility of creating user sequences
- favorite sequences
- sorting of programmes and sequences in alphabetical order
- treatment statistics
- full information about the parameters in the patient's circuit (power, current, resistance)
- illuminated knob for setting/adjusting parameters
- STAND BY/CHANGE key - option to select parameters for editing without touching the device screen
- protection in the form of an alert preventing execution of the treatment without setting the amplitude
- protection in the form of a protective plate reducing the therapist's exposure to current flowing in the patient's circuit
- universal active applicators - detection of the type of connected electrode
- silicone cap on the electrode shaft ensuring comfort for the therapist during work
- abrasion-resistant CAP electrodes
- cables equipped with magnets to facilitate the organization of the workstation
- dedicated trolley with electrode heater, drawers, handles and a container for dirty accessories
- dedicated bag for the device and accessories
- table stand



TECAR THERAPY

- operation modes
 - capacitive - CAP
 - resistive - RES
 - IASTM - working with dedicated tools for soft tissue therapy (Instrument Assisted Soft Tissue Mobilisation - IASTM)
 - BIPOLAR
 - AUTO – active electrode type detection
- four working frequencies - allow stimulation of tissues at different depths
- three ranges of device power level adjustment - allow for precise selection of the level of energy delivered to the patient's body during therapy to maximize the effectiveness of the treatment
- indicator of the level of contact between the electrode and the patient's body - indicates the optimal positioning of the electrode on the patient's body
- indicator of the value of the current flowing through the patient's tissues
- indicator of the level of power delivered to the patient
- AM – current modulations in the patient's circuit – provides the possibility to apply a higher energy level while limiting the thermal effect
- two treatment timers
 - measurement of effective treatment time (operation time measured in full contact with the patient's body)
 - measurement of the total treatment time
- two types of applicators for active electrodes:
 - angular
 - straight
- wide range of capacitive and resistive electrodes, up to 70mm of diameter
- convex electrode 14 mm
- convex electrode 40 mm
- IASTM KISS applicator
- bipolar applicator
- 3 types of passive electrodes:
 - flat 32x23 cm
 - flat 24x16 cm
 - cylindrical

TREATMENT PROGRAMS

- user-defined programs 50

TREATMENT SEQUENCES

- preset treatment sequences for TECAR therapy 101
- user-defined sequences 10



TECHNICAL PARAMETERS

Treatment parameters

- output signal frequency 300 kHz, 500 kHz, 750 kHz, 1 MHz
- power level adjustment ranges 0 – 10 % step 0.5 %, 0 – 40 % step 1 %
0 – 100 % step 4 %
- max. active power 150 W
- treatment time 1 – 60 minutes, step 1 minute

General parameters

• device dimensions (WxDxH)	36.1 x 30.4 x 15.1 cm
• device weight	6.5 kg
• mains supply	230 V $\pm$ 10 %, 50/60 Hz, optional: 120 V $\pm$ 6 % 50/60 Hz



STANDARD PARTS

• mains cable	1
• dedicated trolley for Tecaris+ with electrode heater	1
• switched-mode power supply for the trolley	1
• flat passive electrode, 32x23 cm	1
• flat passive electrode, 24x16cm	1
• cylindrical passive electrode	1
• passive electrode cable with clamp	1
• angular applicator for active electrode	1
• straight applicator for active electrode	1
• IASTM KISS applicator for RF current physiotherapy	1
• IASTM applicator cable	1
• IASTM applicator cable extension cord	1
• resistive electrode, 25 mm in diameter	1
• resistive electrode, 40 mm in diameter	1
• resistive electrode, 55 mm in diameter	1
• resistive electrode, 70 mm in diameter	1
• convex resistive electrode, 14 mm in diameter	1
• convex resistive electrode, 40 mm in diameter	1
• capacitive electrode, 25 mm in diameter	1
• capacitive electrode, 40 mm in diameter	1
• capacitive electrode, 55 mm in diameter	1
• capacitive electrode, 70 mm in diameter	1
• elastic Velcro belt 40x10 cm or 40x9 cm	1
• elastic Velcro belt 60x10 cm or 60x9 cm	1
• elastic velcro belt 80x10 cm or 80x9 cm	1
• elastic Velcro belt 100x10 cm or 100x9 cm	1
• RF therapy cream	2
• bottle dispenser	2
• spare time-lag fuses	2
– for 230 V – T3.15L250V, 3.15 A, 250 V	
– for 120 V – T6.3L250V, 6.3 A, 250 V	
• spare time-lag fuse for the trolley	1
• touch screen cloth	1
• touch screen pen	1
• instructions for use	1
• electrical safety inspection report	1

OPTIONAL PARTS

- bipolar applicator
- table stand
- bag for the unit and parts of the unit