

Electrotherapy

Etius

Etius – is a modern and ergonomic unit intended to use in electrotherapy and electrodiagnostics of nervous-muscle system.

The unit is distinguished by the fact that possesses two completely independent treatment channels. Thanks to this solution it is possible to perform simultaneous treatments with different parameters on one or two patients.

Basic area of its functionality is electrotherapy, in which the unit provide the availability of all typical and commonly used currents. Additionally, the Etius offers completely new possibilities: application of microcurrents, unipolar sine surge and specially designed TENS currents used in spastic paralysis therapy.

SPECIFICATION

ELECTROTHERAPY-CURRENTS

- interferential (isoplanar, dynamic, static, one-channel AMF)
- TENS (symmetric, asymmetric, alternating, Burst)
- TENS to spastic paralysis therapy
- Kotz' – Russian stimulation
- tonolysis
- diadynamic (MF,DF,CP,CP-ISO, LP)
- Trabert pulse, Leduc', faradic
- pulse – rectangular, triangular
- unipolar sine surge
- galvanic
- microcurrents

ELECTRODIAGNOSTICS

- electrodiagnostics with graphic presentation of I/t curve
- automatic calculation of rheobase, chronaxie as well as threshold, coefficient and quotient of accommodation

MANUAL MODE

Complete control for advanced users

TREATMENT PROGRAMS

- simplification of the unit operation
- treatment programs chosen by name
- 59 preset treatment programs
- 50 user-defined programs
- 20 favourite programs
- naming individual user programs

TREATMENT SEQUENCES

- simplification of the unit operation
- 30 preset treatment sequences



CE
0197

Etius

Technical specification

ERGONOMICS

- two independent treatment channels
- operation mode: program/manual
- easy-to-read display
- operation in graphic mode
- preset treatment programs base
- treatment programs chosen by name
- treatment timer
- electrodes test
- statistics – the number of performed treatments
- buzzer volume setting

STRUCTURE

- graphic LCD display
- heavy-duty and reliable keyboard
- modern design
- operation in CC (stabilized output current) and CV (stabilized output voltage) modes
- complete galvanic isolation between channel in each mode
- generation of unidirectional (unipolar) currents in interrupted mode
- self-test – systematic control of the unit

TECHNICAL SPECIFICATIONS

controller – maximum constant current in patient's circuit (CC mode)

galvanic	40mA
diadynamic, pulse	60mA
interferencial, Kotz', unipolar sine surge	100mA
TENS	
140mA	
tonolysis	100mA
microcurrents	1000uA
maximum voltage in patient's circuit (CV mode)	140V
mains supply	230V, 50Hz, 50W, 70VA
weight	6 kg

WARRANTY

Etius 2 years

STANDARD ACCESSORIES

- mains cable
- patient lead (2 pcs.)
- electrotherapy electrode 6x6 cm (4 pcs.); 7,5x9cm (2 pcs.)
- viscose electrode cover 6x6 cm (8 pcs.); 7,5x9cm (4 pcs.)
- velcro fixing belt 40x10 cm (2pcs.); 100x10 cm (2 pcs.)
- spare fuse T1 AL250V (2 pcs.)
- user guide

OPTIONAL ACCESSORIES

- disposable self-adhesive electrodes 3x4 cm; 5,5x5,5cm; 5,5x12,5 cm
- point electrodes 5mm, 10mm, 15mm, 20mm,
- crocodile clip
- sand-filled bag 21x14cm, 21x28cm
- bag for the unit and accessories
- Elf, Elf X trolleys
- patient's switch

