Etius U

Combination therapy
Electrotherapy
Ultrasound therapy

Features

product code	A-UE-AST-EUWH
large, easy-to-read display with graphic mode support	✓
independent treatment channels	2
intensity regulation in the patient circuit for both channels simultaneously or separately	✓
electrode test	✓
manual mode	✓
disease entities selected by name	✓
preset treatment programs database	✓
preset treatment sequences database	✓
user-defined programs database	✓
favorite programs	✓
possibility of program names edition	✓
statistics of performed treatment procedures	✓
buzzer sound volume regulation	✓

Electrotherapy

operation in CC (current stabilization) or CV (voltage stabilization) modes	✓
full galvanic isolation between channels in each mode	✓
Currents and methods	
interferential isoplanar	✓
interferential dynamic	✓
interferential single channel AMF	✓
TENS symmetrical	✓
TENS asymmetrical	✓
TENS alternating	✓
TENS burst	✓
TENS for spastic paralysis therapy	✓
Kotz's / Russian stimulation	✓
tonolysis	✓
diadynamic (MF, DF, CP, CP-ISO, LP)	✓
pulsed rectangular	✓
pulsed triangular	✓
pulsed UR according to Trabert (2 - 5)	✓
pulsed according to Leduc (1 - 9)	✓
pulsed neofaradic (1 - 19)	✓
unipolar sine surge	✓
galvanic	✓
microcurrents	✓

Ultrasound therapy

waterproof ultrasound heads	✓
continuous / pulse emission	✓
ultrasound head contact control (effective treatment time measured)	✓
head sensitivity calibration according to the needs	✓

Combined therapy

operation in CC (current stabilization) or CV (voltage stabilization) modes	✓
Currents and methods	✓
interferential single channel AMF	✓
TENS symmetrical	✓
TENS asymmetrical	✓
TENS alternating	✓
TENS burst	✓
Kotz's / Russian stimulation	✓

Preset treatment programs

built-in treatment programs, including:	207
built-in treatment programs for electrotherapy	59
built-in treatment programs for ultrasound therapy	48
built-in treatment programs for combined therapy	77
built-in treatment programs for electrophophoresis	23
user configurable programs	110
favorite programs	80

Preset treatment sequences

built-in treatment sequences for electrotherapy	30

Electrotherapy technical parameters

max. current intensity in the patient circuit (CC mode)	
galvanic	40 mA
diadynamic, impulse	60 mA
interferential, Kotz' current	100 mA
unipolar sine surge	100 mA
TENS	140 mA
tonolysis	100 mA
microcurrents	1000 uA
max. voltage amplitude in the patient circuit (CV mode)	140 V
treatment timer	1 - 60 minutes

Ultrasound therapy technical parameters

operating frequency	1 MHz
effective radiation area	1 cm², 4 cm²
maximum ultrasound wave intensity	2/3 W/cm²
frequency in pulse mode	16 Hz, 48 Hz, 100 Hz
duty factor in pulse mode	10%, 25%, 50%, 75%
treatment timer	1 - 30 minutes

General technical parameters

dimensions	30 x 23 x 11 cm
device weight	6 kg
power supply, power consumption	230 V, 50/60 Hz, 70 W, 100 VA