

ULTIMA 20 Transcutaneous Electrical Nerve Stimulation

The ULTIMA 20 is a five mode device with dual channels, three wave forms, and 20 treatment modes. This device is remarkable for its body part specific settings for ease of application and set-up.

T.E.N.S. works by stimulating your body's own natural defenses against pain. The unit produces a gentle stimulation through pads or conductive garments, like socks, or gloves that are normally placed over the area of pain. This stimulus helps the body to produce natural pain relievers called endorphins.

The correct positioning of the pads is important. Some people feel immediate benefit from T.E.N.S. However, some may only achieve benefit after repeated treatment sessions and over an extended period of time.

12 PRESET MODES AVAILABLE

- NECK PAIN
- TORTICOLLIS
- LOW BACK PAIN
- SCIATICA
- EPICONDYLITIS
- WRIST PAIN
- POST SURGERY KNEE PAIN
- ANKLE SPRAINS
- GONALGIA
- COX ALGIA
- MENSES PAIN
- NEURALGIA



8 MANUAL MODES

MODE CONSTANT A — Both Pulse Rate and Pulse Width are freely adjustable. Default values are PR=3Hz and PW=250_s characterized by a decontracturing effect. Use this setting if you want relax the painful area. The stimulation level must produce a gentle muscular contraction.

MODE CONSTANT B — Both Pulse Rate and Pulse Width are freely adjustable. Default values are PR=10Hz and PW=150_s characterized by an endorphin-stimulating effect. Use this setting if you want produce endorphins at the painful area. The stimulation level may reach the muscular contraction. If the Pulse Rate will be increased, the stimulation level must be set to avoid the muscular contraction.

MODE CONSTANT C — Both Pulse Rate and Pulse Width are freely adjustable. Default values are PR=70Hz and PW=50_s characterized by an endorphins stimulating effect, through the Gate-control mechanism. Use this setting in case of ACUTE PAIN. The stimulation level must be set to avoid the muscular contraction.

MODE MODULATION SW (B) — Pulse Rate Sweep modulation. Pulse Rate is automatically modulated within F1=50Hz and F2=80Hz (adjustable); each frequency step will last 1 sec. F2 can be changed only if the intensity level of both channels are set to 0. The Pulse Width is 200_s (adjustable from 50_S to 250_S).

MODE MODULATION 2F (B) — Pulse Rate Dual Frequencies modulation. Pulse Rate is automatically changed, any 5 seconds, between F1=70Hz (adjustable) and F2=5Hz. F1 can be changed only if the intensity level of both channels are set to 0. The Pulse Width is 50_s (adjustable from 50_S to 250_S).

MODE BURST A — One train any 3 seconds, 1s on, 2s off. Both Pulse Rate and Pulse Width are freely adjustable. Default values are PR=30Hz and PW=250_s. The stimulation level must be set to produce a gentle muscular contraction.

MODE BURST B — One train any 1.5 seconds, 0.5s on, 1s off. Both Pulse Rate and Pulse Width are freely adjustable. Default values are PR=50Hz and PW=200_s. The stimulation level must be set to produce a gentle muscular contraction.

MODE BURST C — One train any 0.75 seconds, 0.25s on, 0.5s off. Both Pulse Rate and Pulse Width are freely adjustable. Default values are PR=100Hz and PW=150_s. The stimulation level must be set to produce a gentle muscular contraction.

SPECIFICATIONS

DUAL-CHANNELS, ISOLATED BETWEEN CHANNELS	Yes
PULSE AMPLITUDE (MA)	Max 130mA (peak value)
PULSE FREQUENCY (HZ)	1-150
WAVE FORM: ASYMMETRIC BIPHASIC SQUARE PULSE	50_s ~ 250_s; adjustable
TIMER CONTROL (MINS)	Continuous, 15, 30, 45, 60, 90
STIMULATION MODE	8 Manual Modes; 12 Preset Modes
POWER SUPPLY: 9V DC SQUARE SHAPE BATTERY	2 Alkaline AA 1.5V LR6 Batteries
SIZE (H)X(W)X(L) MM	22.2x63.31x101.6
WEIGHT (GRAMS; W/ BATTERY)	125
LOW BATTERY INDICATION	Yes