SPECIFICATIONS

Waveform Specifications



IFC (Interferential 4 pole)

Interferential Current is a medium frequency waveform. Current comes out of two channels (four electrodes). The currents cross each other in the body area that requires treatment. The two currents interfere with each other at this crossing point, resulting in a modulation of the intensity (the current intensity increases and decreases at a regular frequency).

Output Mode:
Carrier Frequency Fixed
Beat Frequency
Sweep Time
Sweep Low Beat Frequency
Sweep High Beat Frequency
Scan Percentage Static, 10%, 40%, 100%
Vector Scan Manual (0°-90°), Automatic (40% and 100%), Off
Amplitude0-100 mA RMS into 500 ohm
Maximum Treatment Time1-60 Minutes
Available on Channel

IFC (Interferential 2 pole) Premodulated

Premodulated Current is a medium frequency waveform. Current comes out of one channel (two electrodes). The current intensity is modulated: it increases and decreases at a regular frequency (the Amplitude Modulation Frequency).

Output Mode: Pads
Output Intensity
Carrier Frequency Fixed
Beat Fixed (Sweep Off)
Sweep Low Beat Frequency
Sweep High Beat Frequency 81-200 Hz
Cycle Time Continuous, 5/5, 4/12, 10/10, 10/20, 10/30, 10/50
Mode Selection
Treatment Time
Available on Channel

^{*}CC= Constant Current CV= Constant Voltage

SPECIFICATIONS

☐ ☐ TENS- Symmetrical Biphasic

The Symmetrical Biphasic waveform has a short pulse duration and is capable of strong stimulation of nerve fibers in the skin and muscle. This waveform is often used in portable muscle stimulation units and some TENS devices. Because of its short pulse duration, the patient typically tolerates the current well, even at relatively high intensities.

Output Mode:
Output Intensity
Phase Duration Adjustable 20-1,000 µse
Frequency
Mode Selection
Burst Frequency
Frequency Modulation
Amplitude Modulation Off, 40%, 60%, 80% and 100%
Treatment Time

ADANGER



• Stimulus delivered by the TENS waveforms of this device, in certain configurations, will deliver a charge of 25 microcoulombs (µC) or greater per pulse and may be sufficient to cause electrocution. Electrical current of this magnitude must not flow through the thorax because it may cause cardiac arrhythmia.

High Voltage Pulsed Current (HVPC)

The High Volt waveform has a very brief pulse duration characterized by 2 distinct peaks delivered at high voltage. The waveform is monophasic (current flows in one direction only). The high voltage causes a decreased skin resistance making the current comfortable and easy to tolerate.

Output Intensity	
Output Mode Pads or Probe	
Polarity	
Ramp	
Display Peak Current or Volts	
Sweep Continuous, 80/120 pps, 1/120 pps, 1/10 pps	
Frequency	
Cycle Time 5/5, 4/12, 10/10, 10/20, 10/30, 10/50, Continuous	
Treatment Time	
Available on Channels	

^{*}CC= Constant Current CV= Constant Voltage

SPECIFICATIONS



Russian

Russian Current is a sinusoidal waveform, delivered in bursts or series of pulses. This method was claimed by its author (Kots) to produce maximal muscle strengthening effects without significant discomfort to the patient.

Output Intensity
Output Mode
Channel Mode Single, Reciprocal, Co-Contract
Duty Cycle
Mode Selection
Anti-Fatigue Off or On
Cycle Time 5/5, 4/12, 10/10, 10/20, 10/30, 10/50, Continuous
Burst Frequency (Anti-Fatigue Off) 20-100 pps
Ramp
Treatment Time
Available on Channels

¹¹¹¹ur Microcurrent

Microcurrent is a monophasic waveform of very low intensity that closely simulates the electrical current generated by the human body. Microcurrent can be applied via electrodes or probe.

Output Intensity
Output Mode Pads or Probe
Polarity Positive, Negative or Alternating
Treatment Time
Available on channels

^{*}CC= Constant Current CV= Constant Voltage

Intelect® Legend XT Therapy System

SPECIFICATIONS

Ultrasound Specifications

Frequency				
Pulse Frequency				
Pulse Duration 1	mSec, +/-20%; 2mSec, +/-20%			
Ę	5mSec, +/-20%			
Output Power				
5cm² Crystal	0-10 Watts at 1 & 3.3 MHz			
10cm ² Crystal				
	0-10 Watts at 3.3 MHz			
2cm² Crystal	0-4 Watts at 1 & 3.3 MHz			
1cm ² Crystal	0-2 Watts 3.3 MHz			
Amplitude 0 to 2.5 W/cm² in continuous				
	0-3 w/cm ² in pulsed modes			
Output accuracy ± 20% above 10% of maximum				
Temporal Peak to Average Ratios	:			
	2:1, ± 20%, at 50% Duty Cycle			
	5:1, ± 20%, at 20% Duty Cycle			
	9:1, ± 20%, at 10% Duty Cycle			
Beam Nonuniformity Ratio	5.0 : 1 maximum			
Beam Type	Collimating			
Effective Radiating Areas				
	5cm ² Crystal - 4.0cm ² , +/- 1.0			
	2cm ² Crystal - 1.8cm ² , +0.2/-0.4			
	1cm ² Crystal - 0.8cm ² , +0.2/-0.4			
Treatment Time	1-30 Minutes			