Models: BCX Ultra

Models: BC2	X Ullia			
Туре		Differential Plasma Carrier Modulator and TENS Stimulator		
Application		Standalone Powered by 120-240VAC 50/60Hz Household Power		
Configuration		PCM: Fully Balanced Differential, Floating TENS: Fully Balanced Differential, Floating		
Energy type		PCM: AC Radio Frequencies (RF) Conduction Electromagnetic (EM) Electric Field (E-Field) Ultra-red (UR), Visible, & Ultra-violet (UV) Light TENS: AC Audio and Radio Frequencies (AF & RF) Conduction		
Frequency	Modes of Operation	PCM: Single or Mixed Frequencies with 100KHz Carrier Frequency TENS: Single or Mixed Frequencies with or without Variable Frequency Carrier Linear and Square Drive frequencies and Carrier		
	Waveform Type	PCM: Squarewave TENS: Squarewave, Sinewave, Square Sweep, Trapezoid, Triangle, Hoyland, Linear Ramp Up, Linear Ramp Down, Exponential Ramp Up, Exponential Ramp Down, Equal Odd Order Harmonics, Custom 1, Custom 2, Custom 3		
	Range	PCM: 1 to 100,000 Hz TENS: 1 to 4,000,000 Hz		
	Resolution	1.00000 to 9.99999 Hz (0.00001 Hz) 10.0000 to 99.9999 Hz (0.0001 Hz) 100.000 to 999.999 Hz (0.001 Hz) 1,000.00 to 9,999.99 Hz (0.01 Hz) 10,000.0 to 99,999.9 Hz (0.1Hz) and 100,000 Hz 100,000 to 4,000,000 Hz (100 Hz)		
	Maximum Simultaneous Frequencies	2 Individual 6 Equal Intensity Harmonic Multipliers Multiple with Pulse and Frequency Harmonics Multiple with Custom Arbitrary Waveforms		
Duty Cycle, Modulation & Gate	Modes of Operation	Variable Duty Cycle 1 to 100% Single or Multiple Frequencies Square or Linear Drive Frequencies		

Programs	Modulation Frequencies	Multiple with Pulse and Frequency Harmonics Multiple with Custom Arbitrary Waveforms 1236 Internal non-volatile (User re-nameable) 255 User non-volatile (Completely configurable including name)	
Sequences		80 Sequences per Program Single direct 40 Sequences per Program Mixed or Carrier direct	
Sweep		Sweep Frequencies with Upper and Lower limits Set Dwell and Direction Up, Down, or Wobble	
Chain		Chain up to 100 Programs Repeat Programs for unlimited run time	
Intensity		1 to 100% Independent for each Running Accessory	
Timer		1 to 120 Minutes	
Shutoff		Auto Shutoff or Manual	
Program Variables		Name, Use Defaults, Output, Run Time, Duty Cycle, Gate Waveform, Gate Frequency, Electrode Intensity, Raytube Intensity, Soft Start, Auto Shutoff, Use Carrier, Carrier Waveform, Carrier Frequency, Frequency Waveform, Frequency, Add Frequencies, Save Program, Run Program	
Changeable Defaults		Show Instructions, Power On Application, Sequence, Program, Use Defaults, Output Device, Run Time, Duty Cycle, Gate Waveform, Gate Frequency, Electrode Intensity, Radiator Intensity, Soft Start, Auto Shutoff, Use Carrier, Same/Different Carrier, Carrier Waveform, Frequency Waveform, Carrier Frequency, Frequency More, Frequencies, Save Program, Run Program	
Other		Built in Instructions, Soft Start, Program without Run, Run without Store	
Power Output		PCM: 30 Watts Max.	

Raytubes 10/01/13

Raylube	5			10/01/13		
Туре		Plasma Carrier Modulato	or			
Application		1 pair plugs directly into the Ultra Powered from the Ultra				
Configuration		Fully balanced differential, Floating				
Energy type		AC Radio Frequencies (RF) Conduction Electromagnetic (EM) Electric Field (E-Field) Ultra-red (UR), Visible, & Ultra-violet (UV) Light				
Frequency	Modes of Operation	Single or Mixed Frequencies @ Fixed Carrier (100kHz Nominal) Square Drive Frequencies, Linear Drive Carrier				
	Waveform Types	Squarewave Sinewave Square Sweep Trapezoid Triangle	Hoyland Linear Ramp Up Linear Ramp Down Exponential Ramp Up Exponential Ramp Down	Equal Odd Order Harmonics Equal Even Order Harmonics Custom 1 Custom 2 Custom 3		
	Range	1 to 100,000 Hz (only effective if below Carrier Frequency)				
	Resolution	1.00000 to 9.99999 Hz (0.00001 Hz) 10.0000 to 99.9999 Hz (0.0001 Hz) 100.000 to 999.999 Hz (0.001 Hz) 1,000.00 to 9,999.99 Hz (0.01 Hz) 10,000.0 to 100,000.00 Hz (0.1Hz)				
	Maximum Simultaneous Frequencies	Individual + Carrier Equal Intensity Harmonic Multipliers + Carrier Multiple with Pulse and Frequency Harmonics + Carrier Multiple with Custom Arbitrary Waveforms + Carrier				
Duty Cycle, Modulation & Gate	Modes of Operation	Variable Duty Cycle 1 to 100% Single or Multiple Frequencies Square or Linear Drive Frequencies				
	Waveform Types	Squarewave Sinewave Square Sweep Trapezoid Triangle	Hoyland Linear Ramp Up Linear Ramp Down Exponential Ramp Up Exponential Ramp Down	Equal Odd Order Harmonics Equal Even Order Harmonics Custom 1 Custom 2 Custom 3		
	Range	1 to 10,000 Hz				
	Resolution	1.0000 to 9.9999 Hz (0.0001 Hz) 10.000 to 99.999 Hz (0.001 Hz) 100.00 to 999.99 Hz (0.01 Hz) 1,000.0 to 9,999.9 Hz (0.1 Hz) and 10,000 Hz				
	Maximum Simultaneous Modulation Frequencies	Individual Equal Intensity Harmonic Multipliers Multiple with Pulse and Frequency Harmonics Multiple with Custom Arbitrary Waveforms				
Intensity		1 to 100%				
Power Output		30 Watts Max. (dependent	upon program & load impedance)			
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Electrodes 10/01/13

Electrode	.			10/01/13		
Туре		Conduction Device				
Application		Up to 2 pairs plug directly into the Ultra Powered by the Ultra				
Configuration		Fully balanced differential, Floating				
Energy type		AC Audio and Radio Frequencies (AF & RF) Conduction				
Frequency	Modes of Operation	Single or Multiple Frequencies with or without Variable Frequency Carrier Square or Linear Drive Frequencies and Carrier				
	Waveform Types	Squarewave Sinewave Square Sweep Trapezoid Triangle	Hoyland Linear Ramp Up Linear Ramp Down Exponential Ramp Up Exponential Ramp Down	Equal Odd Order Harmonics Equal Even Order Harmonics Custom 1 Custom 2 Custom 3		
	Range	1 to 4,000,000 Hz Squarewave (Rise and Fall time < 150ns.) 1 to 100,000 Hz all other Waveforms (Sinewave Distortion < 0.1% THD)				
	Resolution	1.00000 to 9.99999 Hz (0.00001 Hz) 10.0000 to 99.9999 Hz (0.0001 Hz) 100.000 to 999.999 Hz (0.001 Hz) 1,000.00 to 9,999.99 Hz (0.01 Hz) 10,000.0 to 99,999.9 Hz (0.1Hz) and 100,000 Hz 100,000 to 4,000,000 Hz (100 Hz)				
	Maximum Simultaneous Frequencies	2 Individual 6 Equal Intensity Harmonic Multipliers Multiple with Pulse and Frequency Harmonics Multiple with Custom Arbitrary Waveforms				
Duty Cycle, Modulation & Gate	Modes of Operation	Variable Duty Cycle 1 to 100% Single or Multiple Frequencies Square or Linear Drive Frequencies				
	Waveform Types	Squarewave Sinewave Square Sweep Trapezoid Triangle	Hoyland Linear Ramp Up Linear Ramp Down Exponential Ramp Up Exponential Ramp Down	Equal Odd Order Harmonics Equal Even Order Harmonics Custom 1 Custom 2 Custom 3		
	Range	1 to 10,000 Hz				
	Resolution	1.0000 to 9.9999 Hz (0.0001 Hz) 10.000 to 99.999 Hz (0.001 Hz) 100.00 to 999.99 Hz (0.01 Hz) 1,000.0 to 9,999.9 Hz (0.1 Hz) and 10,000 Hz				
	Maximum Simultaneous Modulation Frequencies	1 Individual 2 Equal Intensity Harmonic Multipliers Multiple with Pulse and Frequency Harmonics Multiple with Custom Arbitrary Waveforms				
Intensity		1 to 100%				
Power Output		3/4 Watt Max. (dependent upon program & load impedance) Voltage 30 Volts PP Squarewave, 35 Volts PP all other waveforms				