

ELECTROTHERAPY EQUIPMENTS

INTERFERENTIAL THERAPY LCS 150ECO

Interferential therapy has its uses in pain relief and muscular contraction. It is used as a technique to achieve either of these when other methods are not appropriate or unavailable, and are often conducted in conjunction with other treatments.

LCS 150ECO



INTERFERENTIAL THERAPY + TENS LCS 151ECO

Interferential therapy uses electrical pulses to stimulate nerves and muscles in the body, to help relieve pain.

LCS 151ECO



SPECIFICATION	LCS 150 ECO	LCS 151 ECO
Dimension (L*H*D)	275mm, 85mm, 210mm	275mm, 85mm, 210mm
Weight	1.2 kg Approx.	1.2 kg Approx.
Operating Voltage	110-270V 50Hz	110-270V 50Hz
Absorption	46-Watts Max	46-Watts Max
Fuses	1 Amp	1 Amp
Room Temperature	10°C to 40°C	10°C to 40°C
Moisture	10% to 80%	10% to 80%
Preset Program	50 Programs	55 Programs
Customize Program	99 Create Programs	99 Create Programs
Probe Test	Cable & Electrode Test	Cable & Electrode Test
Max Output Current	100mA Digital Display for CH-1 & CH-2	100mA Digital Display for CH-1 & CH-2
Max Output Voltage	100V (Peak to Peak)	100V (Peak to Peak)
Medium Frequency	2 KHz & 4 KHz	2 KHz & 4 KHz
Base AMF	0-250 Hz	0-250 Hz with Digital Display
Spectrum	0-250 Hz	0-250 Hz with Digital Display
Therapy Mode	4P, 4PV, 2P	4P, 4PV, 2P
Wave Shape	TRA, TRI, REC.	TRA, TRI, REC.
Vector Mode	2PL, 4PL, 4PT, 4PNL	2PL, 4PL, 4PT, 4PNL
Treatment Time	01 to 99 Minutes adjustable	01 to 99 Minutes adjustable
Patient Safety	Available	Available
RUSSIAN CURRENT		
Medium Frequency	2.5 KHz	2.5 KHz
Base AMF	0-200 Hz	0-200 Hz with Digital Display
Spectrum	0-200 Hz	0-200 Hz with Digital Display
DIADYNAMIC CURRENT		
Current Mode	CP, LP, DF, MF	CP, LP, DF, MF
Low Frequency	50Hz & 100Hz	50Hz & 100Hz
TENS		
Tens Mode	-	Continuous / Burst
Tens frequency	-	1 to 250Hz steps of 1Hz
Tens Burst	-	1 to 100Hz adjustable
Treatment Time	-	01 to 99 Minutes adjustable
Max. Output Current	-	100mA

ELECTROTHERAPY EQUIPMENTS

INTERFERENTIAL THERAPY / ELECTROTHERAPY

Interferential therapy has its uses in pain relief and muscular contraction. It is used as a technique to achieve either of these when other methods are not appropriate or unavailable, and are often conducted in conjunction with other treatments.

LCS 150
IFT



LCS 151
IFT + TENS



LCS 152
ELECTROTHERAPY



SPECIFICATION	LCS 150	LCS 151	LCS 152 (IFT+TENS+MS)
Dimension (L*H*D)	352mm, 125mm, 331mm	358mm, 149mm, 354mm	358mm, 149mm, 354mm
Weight	5 kg Approx.	5 kg Approx.	5.5 kg Approx.
Operating Voltage	110-270V 50Hz	110-270V 50Hz	140-270V 50Hz
Absorption	46-Watts Max	46-Watts Max	50-Watts Max
Fuses	1 Amp	1 Amp	1 Amp
Room Temperature	10°C to 40°C	10°C to 40°C	10°C to 40°C
Moisture	10% to 80%	10% to 80%	10% to 80%
Preset Program	50 Programs	55 Programs	100 Programs
Customize Program	99 Create Programs	99 Create Programs	99 Programs
Probe Test	Cable & Electrode Test	Cable & Electrode Test	Cable & Electrode Test
Max Output Current	100mA Digital Display for CH-1 & CH-2	100mA Digital Display for CH-1 & CH-2	100mA Digital Display for CH-1 & CH-2
Max Output Voltage	100V (Peak to Peak)	100V (Peak to Peak)	100V (Peak to Peak)
Medium Frequency	2 KHz & 4 KHz	2 KHz & 4 KHz	2 KHz & 4 KHz
Base AMF	0-250 Hz	0-250 Hz	0-250 Hz
Spectrum	0-250 Hz	0-250 Hz	0-250 Hz
Therapy Mode	4P, 4PV, 2P	4P, 4PV, 2P	4P, 4PV, 2P
Wave Shape	TRA, TRI, REC.	TRA, TRI, REC.	TRA, TRI, REC
Vector Mode	2PL, 4PL, 4PT, 4PNL	2PL, 4PL, 4PT, 4PNL	2PL, 4PL, 4PT, 4PNL
Treatment Time	01 to 99 Minutes adjustable	01 to 99 Minutes adjustable	01 to 99 Minutes adjustable
Patient Safety	Available	Available	Available
RUSSIAN CURRENT			
Medium Frequency	2.5 KHz	2.5 KHz	2.5 KHz
Base AMF	0-200 Hz	0-200 Hz	0-200 Hz
Spectrum	0-200 Hz	0-200 Hz	0-200 Hz
DIADYNAMIC CURRENT			
Current Mode	CP, LP, DF, MF	CP, LP, DF, MF	CP, LP, DF, MF
Low Frequency	50Hz & 100Hz	50Hz & 100Hz	50Hz & 100Hz
TENS			
Tens Mode		Continuous / Burst	Continuous / Burst
Tens frequency		1 to 250Hz steps of 1Hz	1 to 250Hz steps of 1Hz
Tens Burst		1 to 100Hz adjustable	1 to 100Hz adjustable
Treatment Time		01 to 99 Minutes adjustable	01 to 99 Minutes adjustable
Max. Output Current		100mA	100mA
MUSCLE STIMULATOR			
Galvanic			Plane & Interrupted
Faradic			Plane faradic & Surge faradic
Pulse Rate/ frequency			0.5, 1, 3 Hz
Pulse Type			Rectangular, Triangular
Pulse Duration(Gal)			0.01, 0.03, 0.1, 0.3, 1, 3, 10, 30, 100, 300 m Sec.
Pulse Duration(Far)			50 Hz (0.7 m Sec.)
On Time (faradic)			01 to 09 Sec.
OFF Time (faradic)			01 to 09 Sec.

ELECTROTHERAPY EQUIPMENTS

INTERFERENTIAL THERAPY

LCS Interferential therapy, electrotherapy & combination therapy is most advanced unit with large LCD display, rotary encoder operating, user friendly & SMPS power supply.

Interferential therapy (IFT) is one of various types of physical therapy. It uses a mid-frequency electrical signal to treat muscular spasms and strains. The basic principle of IFT is to use physiological effects of low frequency.

**LCS 153
COMBINATION THERAPY**



**LCS 154
COMBINATION THERAPY**



**LCS 158
COMBINATION THERAPY**



SPECIFICATION	LCS 153 (IFT+TENS+US)	LCS 154 (IFT+TENS+MS+US)	LCS 158 (IFT4CH+TENS+MS+US)
Dimensions (L*H*D)	390mm, 149mm, 354mm	390mm, 149mm, 390mm	390mm, 149mm, 390mm
Weight	6.2 kg Approx.	6.7 kg Approx.	7.0 kg Approx.
Operating Voltage	140-270V 50Hz	140-270V 50Hz	140-270V 50Hz
Absorption	50-Watts Max	50-Watts Max	50-Watts Max
Fuses	1 Amp	1 Amp	1 Amp
Room Temperature	10°C to 40°C	10°C to 40°C	10°C to 40°C
Moisture	10% to 80%	10% to 80%	10% to 80%
Preset Program	100 Programs	100 Programs	100 Programs
Customize Program	99 Programs	99 Programs	99 Programs
Probe Test	Cable & Electrode Test Programs	Cable & Electrode Test Programs	Cable & Electrode Test Programs
Max. Output Current	100mA Digital Display for CH-1 & CH-2	100mA Digital Display for CH-1 & CH-2	100mA Digital Display for CH-1, CH-2, CH-3, CH-4
Max Output Voltage	100V (Peak to Peak)	100V (Peak to Peak)	100V (Peak to Peak)
Medium Frequency	2 KHz & 4 KHz	2 KHz & 4 KHz	2 KHz & 4 KHz
Base AMF	0-250 Hz	0-250 Hz	0-250 Hz
Spectrum	0-250 Hz	0-250 Hz	0-250 Hz
Therapy Mode	4P, 4PV, 2P	4P, 4PV, 2P	4P, 4PV, 2P
Wave shape	TRA, TRI, REC	TRA, TRI, REC	TRA, TRI, REC
Vector Mode	2PL, 4PL, 4PT, 4PNL	2PL, 4PL, 4PT, 4PNL	2PL, 4PL, 4PT, 4PNL
Treatment Time	01 to 99 Minutes adjustable	01 to 99 Minutes adjustable	01 to 99 Minutes adjustable
RUSSIAN CURRENT			
Medium Frequency	2.5 KHz	2.5 KHz	2.5 KHz
Base AMF	0-200 Hz	0-200 Hz	0-200 Hz
Spectrum	0-200 Hz	0-200 Hz	0-200 Hz
DIADYNAMIC CURRENT			
Current Mode	CP, LP, DF, MF	CP, LP, DF, MF	CP, LP, DF, MF
Low Frequency	50Hz & 100Hz	50Hz & 100Hz	50Hz & 100Hz
TENS			
Tens Mode	Continuous / Burst	Continuous / Burst	Continuous / Burst
Tens frequency	1 to 250Hz steps of 1Hz	1 to 250Hz steps of 1Hz	1 to 250Hz steps of 1Hz
Tens Burst	1 to 100Hz adjustable	1 to 100Hz adjustable	1 to 100Hz adjustable
Digital Timer	01 to 99 Minutes adjustable	01 to 99 Minutes adjustable	01 to 99 Minutes adjustable
Max. Output Current	100mA	100mA	100mA
ULTRASONIC			
Ultrasound Frequency	1 MHZ	1 MHZ	1 MHZ
Max. Output in Con. Mode	2 Watts/Cm ²	2 Watts/Cm ²	2 Watts/Cm ²
Max. Output in Pulse Mode	3 Watts/Cm ²	3 Watts/Cm ²	3 Watts/Cm ²
Pulse Frequency	1Hz to 100Hz adjustable	1Hz to 100Hz adjustable	1Hz to 100Hz adjustable
Duty Cycle	10 to 90% Steps of 10%	10 to 90% Steps of 10%	10 to 90% Steps of 10%
Patient Safety	Available	Available	Available
MUSCLE STIMULATOR			
Galvanic	-	Plane & Interrupted	Plane & Interrupted
Faradic	-	Plane faradic & Surge faradic	Plane faradic & Surge faradic
Pulse Rate/ frequency	-	0.5, 1, 3 Hz	0.5, 1, 3 Hz
Pulse Type	-	Rectangular, Triangular	Rectangular, Triangular
Pulse Duration(Gal)	-	0.01, 0.03, 0.1, 0.3, 1, 3, 10, 30, 100, 300 m Sec.	0.01, 0.03, 0.1, 0.3, 1, 3, 10, 30, 100, 300 m Sec.
Pulse Duration(Far)	-	50 Hz (0.7 m Sec.)	50 Hz (0.7 m Sec.)
On Time (faradic)	-	01 to 09 Sec.	01 to 09 Sec.
OFF Time (faradic)	-	01 to 09 Sec.	01 to 09 Sec.