

LCS 150ECO



LCS 151ECO



ELECTROTHERAPY EQUIPMENTS

INTERFERENTIAL THERAPY

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. It uses a mid-frequency electrical signal to treat muscular spasms and strains. IFT uses physiological effects of low frequency.

INTERFERENTIAL THERAPY LCS 150 ECO

LCS 150 ECO stands out as an all-in-one solution, packing all the essential features into a single, compact unit. What sets it apart is its versatility in operation—it can be easily controlled using both an encoder and a keypad, providing healthcare professionals with the flexibility they need

COMBINATION THERAPY LCS 151 ECO

The LCS 151 ECO is a versatile combination of both IFT and TENS in a single compact unit. It offers all the essential features and can be easily operated using either an encoder or a keypad, providing convenience and flexibility for healthcare professionals.

SPECIFICATION	LCS 150 ECO	LCS 151 ECO (IFT+TENS)
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	55
Create Program	99	99
Probe Test	Cable & Electrode Test	Cable & Electrode Test
Max Output Current	100mA for CH-1 & CH-2	100mA for CH-1 & CH-2
Max Output Voltage	100V (Peak to Peak)	100V (Peak to Peak)
Carrier Frequency	2 KHz & 4 KHz	2 KHz & 4 KHz
Base Frequency	0-250 Hz	0-250 Hz
Sweep Frequency	0-250 Hz	0-250 Hz
Therapy Mode	4P, 4PV, 2PM	4P, 4PV, 2PM
Modulation in 2PM	10-100%	10-100%
Sweep Wave Shape	TRA, TRI, REC.	TRA, TRI, REC.
Vector Mode	2PL, 4PL, 4PT, 4PNL	2PL, 4PL, 4PT, 4PNL
Treatment Time	1-99 Minutes	1-99 Minutes
Output Power Feedback System	Available	Available
RUSSIAN CURRENT		
Carrier Frequency	2.5 KHz	2.5 KHz
Base Frequency	0-250 Hz	0-250 Hz
Sweep Frequency	0-250 Hz	0-250 Hz
DIADYNAMIC CURRENT		
Current Mode	CP, LP, DF, MF	CP, LP, DF, MF
Frequency	50Hz & 100Hz	50Hz & 100Hz
TENS		
TENS Modes	—	Continuous, Burst
TENS Frequency	—	1 to 250Hz (in steps of 1Hz)
TENS Pulse Width	—	50-1000 µs (in steps of 50µs)
TENS Burst Frequency	—	1-10 Hz (in steps of 1Hz)
Max. Output Current	—	100mA

ELECTROTHERAPY EQUIPMENTS

INTERFERENTIAL THERAPY / ELECTROTHERAPY / COMBINATION THERAPY

Our most advanced unit, the Interferential Therapy, Electrotherapy & Combination Therapy device, features a large LCD display and operates on SMPS technology. This compact model combines all the essential features into one unit, offering exceptional convenience. Users can control it effortlessly using an encoder, making it user-friendly. Additionally, individual channel balancing of intensity is available, and its lightweight design adds to its attractiveness.

LCS 150S



LCS 151S



SPECIFICATION	LCS 150S	LCS 151S (IFT+TENS)
Dimension (L*H*D)	240mm, 280mm, 100mm	240mm, 280mm, 100mm
Weight	1.5 kg Approx.	1.5 kg Approx.
Operating Voltage	110-270V 50Hz	110-270V 50Hz
Absorption	35-Watts Max	35-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	55
Create Program	99	99
Probe Test	Cable & Electrode Test	Cable & Electrode Test
Max Output Current	100mA for CH-1 & CH-2	100mA for CH-1 & CH-2
Max Output Voltage	100V (Peak to Peak)	100V (Peak to Peak)
Carrier Frequency	2, 2.5, 4, 6, 8, 10 KHz	2, 2.5, 4, 6, 8, 10 KHz
Base Frequency	0-250 Hz	0-250 Hz
Sweep Frequency	0-250 Hz	0-250 Hz
Therapy Mode	4P, 4PV, 2PM	4P, 4PV, 2PM
Modulation in 2PM	10-100%	10-100%
Sweep Wave Shape	TRA, TRI, REC.	TRA, TRI, REC.
Vector Mode	2PL, 4PL, 4PT, 4PNL	2PL, 4PL, 4PT, 4PNL
Treatment Time	1-99 Minutes	1-99 Minutes
Output Power Feedback System	Available	Available
RUSSIAN CURRENT		
Carrier Frequency	2.5 KHz	2.5 KHz
Base Frequency	0-250 Hz	0-250 Hz
Sweep Frequency	0-250 Hz	0-250 Hz
DIADYNAMIC CURRENT		
Current Mode	CP, LP, DF, MF	CP, LP, DF, MF
Frequency	50Hz & 100Hz	50Hz & 100Hz
TENS		
TENS Modes	–	Continuous, Burst, Sweep, PWM, Amplitude, Random, Conventional, Acupuncture, Biphasic
TENS Frequency	–	1 to 250Hz (in steps of 1Hz)
TENS Pulse Width	–	50-1000 μs (in steps of 50μs)
TENS Burst Frequency	–	1-10 Hz (in steps of 1Hz)
Max. Output Current	–	100mA

ELECTROTHERAPY EQUIPMENTS

INTERFERENTIAL THERAPY/ELECTROTHERAPY/COMBINATION THERAPY

Our most advanced unit, the Interferential Therapy, Electrotherapy & Combination Therapy device, features a large LCD display and operates on SMPS technology. This compact model combines all the essential features into one unit, offering exceptional convenience. Users can control it effortlessly using an encoder, making it user-friendly. Additionally, individual channel balancing of intensity is available, and its lightweight design adds to its attractiveness.

LCS 152S



LCS 153S



LCS 154S



SPECIFICATION	LCS 152S (IFT+TENS+MS)	LCS 153S (IFT+TENS+US)	LCS 154S (IFT+TENS+MS+US)
Dimensions (L*H*D)	240mm, 280mm, 100mm	240mm, 280mm, 100mm	240mm, 280mm, 100mm
Weight	1.6 Kg. Approx.	2.7 Kg. Approx.	2.8 Kg. Approx.
Operating Voltage	110-270V 50Hz	110-270V 50Hz / 220V for US	110-270V 50Hz / 220V for US
Absorption	40 Watts Max	45 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	100	100
Create Program	99	99	99
Probe test	Cable & Electrode Test	Cable & Electrode Test	Cable & Electrode Test
Max. Output Current	100mA for CH-1 & CH-2	100mA for CH-1 & CH-2	100mA for CH-1 & CH-2
Max Output Voltage	100V (Peak to Peak)	100V (Peak to Peak)	100V (Peak to Peak)
Carrier Frequency	2, 2.5, 4, 6, 8, 10 KHz	2, 2.5, 4, 6, 8, 10 KHz	2, 2.5, 4, 6, 8, 10 KHz
Base Frequency	0-250 Hz	0-250 Hz	0-250 Hz
Sweep Frequency	0-250 Hz	0-250 Hz	0-250 Hz
Therapy Mode	4P, 4PV, 2PM	4P, 4PV, 2PM	4P, 4PV, 2PM
Modulation in 2PM	10-100%	10-100%	10-100%
Sweep 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 - 99 minutes	01 - 99 minutes	01 - 99 minutes
Output Power Feedback System	Available	Available	Available
RUSSIAN CURRENT			
Carrier Frequency	2.5 KHz	2.5 KHz	2.5 KHz
Base Frequency	0-250 Hz	0-250 Hz	0-250 Hz
Sweep Frequency	0-250 Hz	0-250 Hz	0-250 Hz
DIADYNAMIC CURRENT			
Current Mode	CP, LP, DF, MF	CP, LP, DF, MF	CP, LP, DF, MF
Frequency	50Hz & 100Hz	50Hz & 100Hz	50Hz & 100Hz
TENS			
Tens Modes	Cont., Burst, Sweep, PWM, Amp., Conv., Acupuncture, Random, Biphasic	Cont., Burst, Sweep, PWM, Amp., Conv., Acupuncture, Random, Biphasic	Cont., Burst, Sweep, PWM, Amp., Conv., Acupuncture, Random, Biphasic
Tens frequency	1 to 250Hz (in steps of 1Hz)	1 to 250Hz (in steps of 1Hz)	1 to 250Hz (in steps of 1Hz)
Tens Pulse Width	50-1000 µs (in steps of 50µs)	50-1000 µs (in steps of 50µs)	50-1000 µs (in steps of 50µs)
Tens Burst frequency	1-10 Hz (in steps of 1Hz)	1-10 Hz (in steps of 1Hz)	1-10 Hz (in steps of 1Hz)
Max. Output Current	100mA	100mA	100mA
ULTRASONIC			
Ultrasound Frequency	—	1 MHz	1 MHz
Max. Output in Con. Mode	—	2 Watts/cm ²	2 Watts/cm ²
Max. Output in Pulse Mode	—	3 Watts/cm ²	3 Watts/cm ²
Pulse Frequency	—	1 to 100Hz Adjustable	1 to 100Hz Adjustable
Duty Cycle (PW)	—	1 to 99% (in steps of 1%)	1 to 99% (in steps of 1%)
MUSCLE STIMULATOR			
Interrupted Galvanic Modes	Diagnostic & Therapeutic	—	Diagnostic & Therapeutic
Diagnostic Wave shape	Rectangular, Triangular	—	Rectangular, Triangular
Diagnostic Frequency	0.5, 1 & 3 Hz	—	0.5, 1 & 3 Hz
Diagnostic Pulse Duration/Width	0.01, 0.03, 0.1, 0.3, 1, 3, 10, 30, 100, 300 mSec.	—	0.01, 0.03, 0.1, 0.3, 1, 3, 10, 30, 100, 300 mSec.
Therapeutic Wave shape	Rectangular, Triangular	—	Rectangular, Triangular
Therapeutic Frequency	0.5, 1 & 3 Hz	—	0.5, 1 & 3 Hz
Therapeutic Pulse Duration/Width	50, 100, 150, 200, 250, 300 mSec.	—	50, 100, 150, 200, 250, 300 mSec.
Galvanic	Plane (DC)	—	Plane (DC)
Surge Faradic Frequency	50 HZ	—	50 HZ
Surge Time (ON / OFF)	1 to 09 Sec	—	1 to 09 Sec
Plane Faradic Frequency	100Hz	—	100Hz