

ELECTROTHERAPY EQUIPMENTS



LCS 101D



LCS 103D

SHORT WAVE DIATHERMY

LCS SHORT WAVE DIATHERMY UNIT (500W) / Pulsed (1000W) with disc electrode unique induction field circuitry provides a short wave frequency of 27.12 MHz that penetrates deep into muscle tissues with negligible heating in the fatty layer or bone.

LCS 101



LCS 103



APPLICATION

SWD is effective in decreasing joint stiffness, increasing vasodilatation, muscle spasm relief, to reduce pain from ligament sprains and strains to reduce viscosity of joint fluids.

SPECIFICATION	LCS 101	LCS 101D	LCS 103	LCS 103D
Dimension (L*H*D*)	475mm, 905 mm, 370mm	475mm, 905 mm, 370mm	475mm, 905 mm, 370mm	475mm, 905mm, 370mm
Weight	42Kg. (Approx)	44.7Kg. (Approx)	44.25Kg. (Approx)	47.5 Kg. (Approx)
Operating Voltage	220V AC, 50Hz	220V AC, 50Hz	220V AC, 50Hz	220V AC, 50Hz
Absorption	800-Watts Max	800-Watts Max	800-Watts Max	800-Watts Max
Fuses	6 Amp.	6 Amp.	6 Amp.	6 Amp.
Room Temperature	10°C to 40°C	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%	10% to 80%
Output	500 W (Continuous)	500 W (Continuous)	500 W (Cont.)/1000 W (Pulsed)	500 W (Cont.)/1000 W (Pulsed)
Pulse Frequency	-	-	1~200 Hz	1~200 Hz
Frequency RF	27.12 MHz	27.12 MHz	27.12 MHz	27.12 MHz
Wave Length	11 Meter	11 Meter	11 Meter	11 Meter
Display	Filament Voltage V AC, Output Intensity mA	Filament Voltage V AC, Output Intensity mA	Filament Voltage V AC, Output Intensity mA	Filament Voltage V AC, Output Intensity mA
Treatment Time	01~99 Minutes Digital Timer	1~99 Minutes Digital Timer	1~99 Minutes Digital Timer	1~99 Minutes Digital Timer
Patient Safety	Programmable Available	Programmable Available	Programmable Available	Programmable Available

ELECTROTHERAPY EQUIPMENTS

LCS 121



LCS 122DX



LCS 123



ULTRASONIC THERAPY

LCS 121 Ultra Sound Therapy Unit is most advanced, portable, lightweight, based on micro computer control system. It has 1 output mode, user-friendly.

ULTRASONIC THERAPY

LCS 123 Micro-controller based Ultrasound Therapy Unit 1MHz with 128x64 Graphic Display & single knob operation.

APPLICATION

Ultrasonic waves are useful for treatment of Inflammation of Elbow Joint (Tennis Elbow), Plantar Fasciitis (Heel Pain), Shortening of Muscle or Ligament, Inflammation of tendons (Suprasspinatus tendnitis), Ligament Sprain (Lateral Ligament Sprain of Ankle), Unhealed Scars etc.

ULTRASONIC THERAPY

LCS 122DX Solid-State Ultra Sound Therapy Unit is most advance, Portable, lightweight, based on solid-state circuitry. It has 5 different output mode, digital timer, digital out-put meter & crystal safety circuit comes up with one transducer, mains cable, Jelly, spare fuse.

SPECIFICATION	LCS 121	LCS 122DX	LCS 123
Dimension (L*H*D*)	195mm, 65mm, 135mm	295mm, 110 mm, 295mm	295mm, 110 mm, 295mm
Weight	1 Kg. (Approx)	3 Kg Approx	3.8 Kg Approx
Operating Voltage	220V AC, 50Hz	220V AC, 50Hz	220V AC, 50Hz
Absorption	65-Watts	70-Watts	70-Watts
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%
Display	Digital Display	Digital Display	128x64 Graphic Display
Max. Output in Cont. 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
Function Frequency	1MHz	1MHz	1MHz
Available Output	One	One	One
Output Mode	Continuous /Pulse	Cont. /Pulse (1:1, 1:2, 1:4, 1:8, 1:12, 1:16)	Continuous /Pulse (1:2, 1:4, 1:8, 1:16)
Intensity	Maximum 3Watts/Cm ²	Maximum 3Watts/Cm ²	Maximum 3 Watts/Cm ²
Treatment Time	01 to 30 Minutes Programmable	01 ~ 99 Minutes Programmable	01 ~ 99 Minutes Programmable
Crystal Safety	Available	Available	Available

LCS 125



LCS 128



LCS 128DX



ELECTROTHERAPY EQUIPMENTS

ULTRASONIC THERAPY

LCS 125

LCS 125 Ultra Sound Therapy Unit is most advanced, portable, lightweight, based on micro computer control system. It has 1 output channel (1MHz), can store 50 customized programs in its memory and user-friendly.

LCS 128

LCS 128 Ultra Sound Therapy Unit is most advanced, portable, lightweight, based on micro computer control system. It has 1 output channel (1MHz / 3MHz), can store 50 customized programs in its memory and user-friendly.

LCS 128DX

LCS 128DX Ultra Sound Therapy Unit is most advanced, portable, lightweight, based on micro computer control system. It has 1 output channel (1MHz / 3MHz).

APPLICATION

Ultrasonic waves are useful for treatment of Inflammation of Elbow Joint (Tennis Elbow), Plantar Fasciitis (Heel Pain), Shortening of Muscle or Ligament, Inflammation of tendons (Suprasspinatus tendnitis), Ligament Sprain (Lateral Ligament Sprain of Ankle), Unhealed Scars etc.

SPECIFICATION	LCS 125	LCS 128	LCS 128DX
Dimension (L*H*D)	310mm, 85mm, 210mm	310mm, 85mm, 210mm	295mm, 110mm, 292mm
Weight	2 Kg. (Approx)	2 Kg. (Approx)	3.8 Kg. (Approx)
Operating Voltage	220V AC, 50Hz	220V AC, 50Hz	220V AC, 50Hz
Absorption	70-Watts (Approx.)	70-Watts (Approx.)	70-Watts (Approx.)
Ultrasound Frequency	1 MHz	1 MHz, 3MHz	1 MHz, 3MHz
Display	20 x 4 LCD Backlit	20 x 4 LCD Backlit	Digital Display
Max. Output in Cont. Mode	2Watts/Cm ² or 15W	2Watts/Cm ² or 15W	2Watts/Cm ²
Max. Output in Pulse Mode	3Watts/Cm ² or 21W	3Watts/Cm ² or 21W	3Watts/Cm ²
Unit Key	Watts/Cm ² or Watts	Watts/Cm ² or Watts	Watts/cm ² or Watts
Pulse Repetition Rate (Pulse Frequency)	10~150 Hz in steps of 10 Hz	10~150 Hz in steps of 10 Hz	-
Pulse Temporal-Peak (Average Ratio)	Duty Cycle 5~100%, in steps of 5%	Duty Cycle 5~100%, in steps of 5%	Duty Cycle 1:2, 1:4, 1:8, 1:16
Treatment Time	20 Minutes Maximum	20 Minutes Maximum	01 to 99 Minutes
Transducer	Ergonomic Head 1 MHz	Ergonomic Head (1MHz & 3MHz)	Ergonomic Head (1MHz & 3MHz)
Program	50 customer designed therapeutic protocols	50 customer designed therapeutic protocols	-
End of Therapy	Buzzer	Buzzer	Buzzer
Crystal Safety	Available	Available	Available

ELECTROTHERAPY EQUIPMENTS

CERVICAL cum LUMBER TRACTION

LCS CERVICAL cum LUMBAR TRACTION is a modern electro mechanical system; molded aluminum gearbox & metal gears give long life & jerk free traction. It is based on solid-state circuitry; it has silent, smooth & powerful motor to pull the appropriate weight, separate traction force selection for CERVICAL & LUMBER.

APPLICATION

For the treatment of Lumbar, Cervical and Upper Dorsal Region.

LCS 133DX



LCS 131



LCS 132



LCS 133



SPECIFICATION	LCS 131	LCS 132	LCS 133	LCS 133 DX
Dimension (L*H*D)	326mm, 280mm, 307mm	326mm, 280mm, 325mm	326mm, 280mm, 325mm	326mm, 280mm, 325mm
Weight	11 kg.(Approx.)	12 Kg. (Approx)	11.5 Kg. (Approx)	12 Kg. (Approx)
Operating Voltage	220V AC, 50hz	220V AC, 50Hz	220V AC, 50Hz	220V AC, 50Hz
Absorption	37-Watts Max	37-Watts Max	37-Watts Max	37-Watts Max
Fuses	500 mA	500 mA	500 mA	500 mA
Room Temperature	10°C to 40°C.	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%	10% to 80%
Treatment Mode	Static/Intermittent (LED Display)	Static/Intermittent	Static/Intermittent	Static/Intermittent
Traction Force	5 to 45 kg (with doubler 90 kg)	4 to 45 Kg [with doubler 90 Kg]	4 to 45 Kg [with doubler 90 Kg]	4 to 45 Kg [with doubler 90 Kg]
Cervical	-	4 to 15 Kg [each 1 Kg steps]	4 to 15 Kg [each 1 Kg steps]	4 to 14 Kg [each 1 Kg steps]
Lumber	-	23 to 45 Kg [each 2 Kg steps]	23 to 45 Kg [each 2 Kg steps]	25 to 45 Kg [each 2 Kg steps]
Hold Time	10, 20, 40, 60, 80 Sec. with LED Display	10, 20, 40, 60, 80 Sec. with LED Indicator	01~99 Sec. with Digital Display	01~99 Sec. with Digital Display
Rest Time	1, 5, 10, 15, 20 Sec. with LED Display	1, 5, 10, 15, 20 Sec. with LED Indicator	01~99 Sec. with Digital Display	01~99 Sec. with Digital Display
Treatment Time	01-99 minutes presentable (Set between 01-99 min. Optional)	01 ~ 99 minutes	01 ~ 99 minutes	01 ~ 99 minutes
Patient Safety	Available	Available	Available	Available

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.

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.

ELECTROTHERAPY EQUIPMENTS

LCS 161

MUSCLE STIMULATOR LCS 161

LCS 161 Muscle Stimulator is more advanced, compact and lightweight. micro controller based circuitry & user-friendly systems.



LCS 164

MUSCLE STIMULATOR LCS 164

LCS 164 Muscle Stimulator is more advanced, portable, lightweight. LCD display & programmable memory, based on micro controlled circuitry & user-friendly systems.



MUSCLE STIMULATOR LCS 165

LCS 165 Stimulator is a computerized Diagnostic Stimulator unit with Therapeutic, Iontophoresis and TENS facility. Treatment mode, time and other parameters are displayed in the LCD, soft touch keys are used to select the modes and parameters. Digital display indicates the output current in mA. In IG mode Rectangular/ Triangular pulses can be selectable.

LCS 165



APPLICATION OF LCS 161 / 164 / 165

To stimulate sensory and motor nerves, facilitate muscle contraction re-educate muscle, improve circulation, prevent/stretch adhesions, hypertrophy muscle, prevent contractures and to test muscle for enervation.

SPECIFICATION	LCS 161	LCS 164	LCS 165
Dimension (L*H*D)	190mm, 65mm, 135mm	190mm, 65mm, 135mm	275mm, 85mm, 210mm
Weight	1 Kg. (Approx)	2 Kg. (Approx)	3 Kg. (Approx)
Operating Voltage	220V AC 50Hz	220V AC 50Hz	220V AC 50Hz
Absorption	25-Watts	30-Watts	35-Watts
Fuses	200 mA	200 mA	200 mA
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%
Treatment Mode	Plane Galvanic, Interrupted Galvanic, Plane Faradic, Surge Faradic	Plane Galvanic, Interrupted Galvanic, Plane Faradic, Surge Faradic	Iontophoresis, Plane Galvanic, Interrupted Galvanic, Plane Faradic, Surge Faradic, Tens & Tens Burst
Pulse Rate / Freq.	1Hz	1, 3, 5, 10, 30, 50, 100Hz	0.5, 1, 3 Hz
Pulse type	Rectangular	Rectangular	Rectangular, Triangular
Pulse Duration(Gal.)	30~300 m Sec. Variable.	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.	100, 200, 300, 400, 500, 600, 700, 800, 900, 1000 & 1100 μ Sec.	50 Hz/0.7 m Sec.
On Time (Faradic)	1 ~ 6 Sec. Variable	1 ~ 6 Sec.	1 ~ 10 Sec. (1 Sec. Step)
Off Time (Faradic)	-	1 ~ 6 Sec.	1 ~ 10 Sec. (1 Sec. Step)
Display	LED	2 line LCD	4 line LCD
Tens Frequency	-	-	2~ 250 Hz (1 Hz Step)
Pulse Width (Tens)	-	-	20~ 250 μ Sec. (1 μ Sec. Step)
Program	-	10 Customize User Program	-
Treatment Time	-	01 to 60 min.	01 to 99 min.

LCS TENS/MS is a pocket model, compact, lightweight, battery operated based on solid-state circuitry & user-friendly systems.

LCS 180A
TENS



LCS 180B
TENS + MS



LCS 180LX
TENS + MS



LCS 184DX
TENS-4Ch.



LCS 188
TENS + US



APPLICATION

Pain relieve very effectively in Arthritis, Neuralgia, Migraine, Spinal Disc, Surgical Trauma, Headache, Sciatica etc.

Ultrasonic waves are useful for treatment of Inflammation of Elbow Joint (Tennis Elbow), Plantar Fasciitis (Heel Pain), Shortening of Muscle or Ligament, Inflammation of tendons (Suprasspinatus tendnitis), Ligament Sprain (Lateral Ligament Sprain of Ankle), Unhealed Scars etc.

SPECIFICATION	LCS 180A	LCS 180B	LCS 180LX	LCS 184DX	LCS 188
Dimensions (L*H*D)	139mm,75mm,110mm	139mm,75mm,110mm	135mm,70mm,25mm	238mm,110mm,295mm	290mm,110mm,295mm
Weight	0.5 Kg (Approx)	0.6 Kg (Approx)	0.4 Kg (Approx)	3 Kgs. (Approx)	4.00 Kgs. (Approx)
Operating Voltage	9V DC Single Battery with 9 V adapter(220V AC)	9V DC Single Battery with 9 V adapter(220V AC)	9V DC Single Battery with 12 V adapter (220V AC)	110 to 270V AC 50 Hz	220V AC 50 Hz
Fuses					
Room Temperature	10°C to 40°C	10°C to 40°C	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%	10% to 80%	10% to 80%
Intensity	Independent CH-1 & CH-2 (0 - 60 mA)	Independent CH-1 & CH-2 (0 - 60 mA)	Independent CH-1 & CH-2 (0 - 60 mA)	4 Channel (0 - 99 mA)	2 Channel (0 - 60 mA)
Frequency Tens	1~ 100 Hz common for CH-1 & CH-2	1~ 100 Hz	1 to 200 Hz (Normal Mode)	1, 2, 40, 80, 130	1~ 100 Hz
Wave Form	Square	Square	Square & Rectangular	Square	Square
Treatment Mode	Plain TENS	Plain TENS & Int TENS, Pln Gal, Int Gal, Pln Far & Int Far	7 mode(normal, Burst, Accup, Convent, Sweep, PWM, Diadynamic 60 minutes)	Cont, Burst, PWM & Sweep	Cont, Burst-I, Burst-II & Burst-III
Treatment Time	-	-	60 minutes	01 to 99 min.	01 to 99 min.
Display	-	-	LCD Display	LED Display	LED Display
Program	-	-	12 programs (6 program in Monophasic & 6 prog. in Biphasic)	-	-
Sweep Frequency	-	-	1-100 Hz, continuously adjustable	Auto Sweep	-
MS Mode	-	Pln Gal., Int. Gal., Pln Far, Int Far	4 modes (Interupt Galvanic, Faradic, Surge Faradic Linear & Faradic Peak)	-	-
Pulse Width MS	-	-	0.1 - 300 milli seconds	-	-
Surge Time MS	-	1 Sec.	Contraction time & Rest time (1-10s, 1-10s)	-	-
ULTRASONIC					
Max. Output in Cont. Mode	-	-	-	-	2 Watts/Cm ²
Max. Output in Puls Mode	-	-	-	-	3 Watts/Cm ²
Ultrasonic Frequency	-	-	-	-	1MHz & 3 MHz
Output Mode	-	-	-	-	Cont./Pulse (1:1, 1:2, 1:4, 1:6, 1:8, 1:10, 1:12 & 1:16)
Crystal Safety	-	-	-	-	Available

ELECTROTHERAPY EQUIPMENTS

LCS 115



LCS 191



LONG WAVE DIATHERMY LCS 115

Our fully equipped Longwave Diathermy Unit LCS 115 is the latest addition in the field of physiotherapy. The principle behind this equipment is based on the capacitor field method. It emits electromagnetic energy at specific frequencies ranging from 500 KHz to 10 MHz. Thus, this has become an alternative for Shortwave Diathermy Unit.

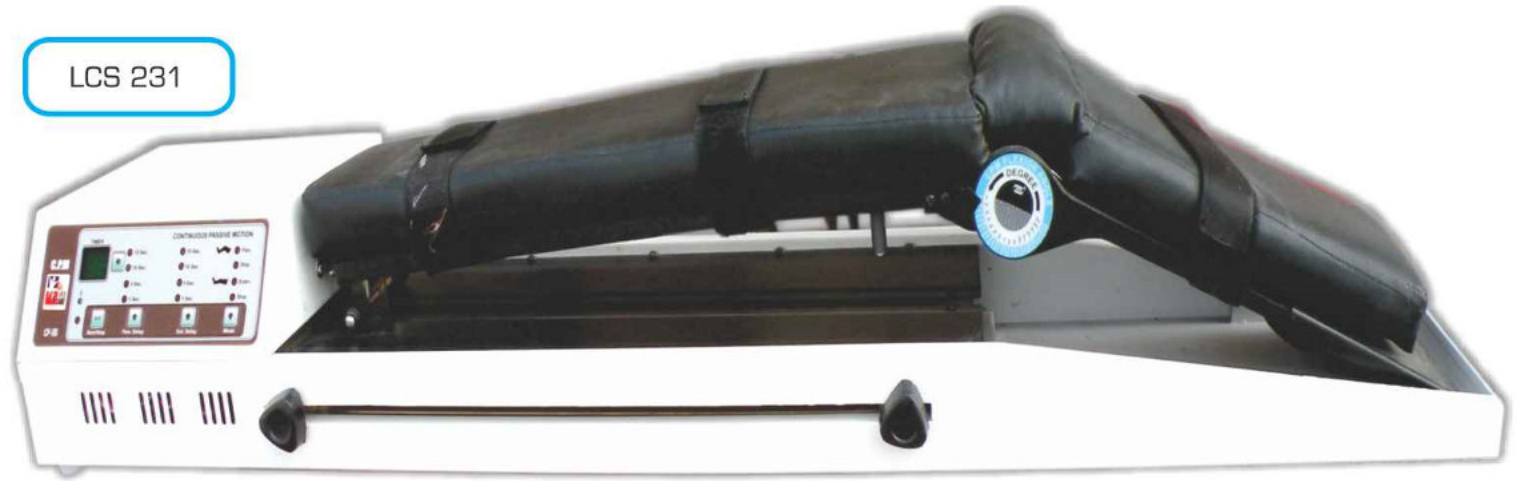
LASER THERAPY LCS 191

LCS191 Laser therapy is more advanced fully computerized, light weight and compact size equipment is projected to cure pain.

SPECIFICATION	LCS 115	LCS 191
Dimensions (L*H*D)	294mm, 292mm, 110mm	280mm, 292mm, 110mm
Treatment Time	01 to 30 min adjustable	01 to 60 min adjustable
Display	128x64 Graphic Display	128x64 Graphic Display
Weight	4kgs	2.7kg. Approx
Operating Voltage	220 V AC, 50 Hz	220 to 240 V AC
Output	10 Watts	100 MW
Absorption	60 Watts	35 Watts
Wave Length	-	910nm.
Frequency	1 MHz	10000Hz
Mode	Manual / Program	Pulse & Continuous
Preset Program	20	110 Programs
Create Program	-	80 Programs
Probe Test	-	Yes

ELECTROTHERAPY EQUIPMENTS

LCS 231



CONTINUOUS PASSIVE MOTION OF LCS 231

LCS CPM is designed for lower limb. It is based on solid-state circuitry, silent, smooth & powerful servo motor for continuous operation, instant start/stop.

APPLICATION LCS 231

Continuous Passive Motion therapy immediately used after surgery can give several important benefits to patient like maintenance or improvement in the range of motion, reduction in pain and discomfort.

TRACTION TABLE OF LCS 302

Fixed Height 4 section Traction Table for horizontal Cervical & Lumbar Traction Treatment, comes up with adjustable stool. We offer smooth and comfortable traction for patients.

LCS 302



SPECIFICATION	LCS 231	SPECIFICATION LCS 302
Dimension (L*H*D)	1100mm, 224mm, 185mm	Height 27 Inches (68.58 cm)
Weight	16 Kg. (Approx)	Width 24 Inches (60.96 cm)
Operating Voltage	220V AC 50Hz	Length 94 Inches (238.76 cm)
Absorption	60-Watts Max.	
Fuses	1 Amp	
Room Temperature	10° to 40°C	
Moisture	10% to 80%	
Notation Range	10° to 120°	
Digital Timer	01 ~ 99 Minutes Adjustable	
Patient Safety	Available	

FEATURES LCS 302

- Friction-free lumbar section.
- Comes up with adjustable stool.
- Cushion with comfortable slow recovery foam.
- Lever system to allow front OR back seat angle adjustment.
- LCS 302 table includes a three-piece head section.