



Complete range of
Electro Surgical Solutions





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Technical Specifications of Promedic LX

MONOPOLAR AUTOCUT : Pure Sine wave 390 kHz
Sp Cut - Programmable Pulse or continues output,
200 W at 300 Ω, CF 1.5
Pure - Continues output, 200 W at 300 Ω, CF 1.5
Blend - Bursts repeating at 29 kHz 55% ON cycle,
120 W at 300 Ω, CF 2.5

BIPOLAR : Pure Sine wave 390 kHz
Micro - Lower output voltage, 50 W at 100 Ω, CF 1.5
Macro - Higher output voltage, 50 W at 100 Ω, CF 1.5

MONOPOLAR COAG : Damped Sine wave 460 kHz
Soft - Repetition Frequency 62 kHz, 80 W at 500 Ω, CF 5.0
Fulgurate - Repetition Frequency 34 kHz, 80 W at 500 Ω, CF 7.0
Spray - Randomized Repetition Frequency 34 kHz < f < 50 kHz,
80 W at 500 Ω, CF 8.0

DESIGN STANDARD

Classification according to the EC- Directive 93/ 42/ EEC: Class IIb
General Safety Standards: IEC 60601-1-1, IEC 60601-2-2
EMI/EMC Compatibility Standard: IEC 60601-1-2
IS Safety Standard: IS 7583

Note : Unit is available in other HF power ratings on request.

LEAKAGE CURRENTS

- RF leakage current
 - Monopolar : < 150 mA rms
 - Bipolar : < 60 mA rms
- Low frequency leakage currents
 - Normal polarity, intact ground : < 10 μA
 - Normal polarity, ground open : < 50 μA

PREM SYSTEM

Measuring Frequency : 85 kHz ± 10 kHz
Measuring current : < 10 μA
Acceptable Resistance Range upto 40%
Dual Area PREM Patient Return Electrode : 5-135 Ω (Adaptive)
Single Area Patient Return Electrode : < 10 Ω

FEEDBACK SYSTEM

- 3 Microprocessor Controlled 6SENSE Technology with sampling rate above 4000 sense/second
- Maximum output power deviation < 15% or 5 watts, whichever is greater at any setting with PER-98

INPUT POWER

Operating Voltage : 180-265 Volt AC, (other ratings available on request)
Max. Power input : 1000 VA, Fuse : 4 A, UPS Backup : 1KVA

DIMENSIONS

L x W x H in cm - 38.0 x 30.5 x 11.5, Weight in kg < 5.0

Features of Promedic LX

6SENSE Technology : Maintain set power over wider range of tissue by Tissue Feedback Technology.

PREM : Patient Return Electrode Monitoring - Safety against the Patient Return Electrode site burns.

Randomized SPRAY Coag : Homogeneous, superficial, faster Coagulation over larger area.

Self Diagnosis : Ensure the ESU with accessories are safe for functioning & display Error Codes if any.

Bipolar Cut : Macro mode can be used for bipolar cutting with hooks and other cutting devices.

Upgradability : Argon Beam Coagulation, Ultrasonic Aspirator, Smoke Evacuator, Suction Irrigation module.

User Programmable : ONE Surgical Programs help in setting the system after power ON.

Remote Power Settings : Change mode and power from sterile field by normal Handswitch Pencil.

Soft/Desiccate Coag : Faster cutting with coagulation for thicker tissues & soft coagulation.

Foot Switches / Pedals : Explosion Proof (Fire Resistance) and Water Proof Foot Pedals

Time Out Function (Optional) : Automatically stops the HF output if prolong unintended activation.

Surgical Applications : Useful for wide range of surgical application as : Plastic, Neuro, ENT, Spine,

Ophthal, Laparo Surgery, Endo, GI, Ortho, Open & General Surgery, Onco, Gynecology, Hernia,

GI Endocut, Papillotomy, Polypectomy, Under Water, Urology, Gynec TCRC, Hysteroscopy, Thoracotomy,

Thoracic and Cardiac Surgery. Unit is suitable for all kind of Open, Endoscopic, Laparoscopic and Minimally

Invasive Surgery