



Electrosurgical Generator

Analytical Technologies Limited Series Electrosurgical Generator is useful for following procedures :

- * Gynaecology
- * Urology
- * Laproscopic Surgeries.
- * Oncology surgery
- * Heart & Chest surgery, CABG
- * Neurosurgery, Spine
- * Arthroscopy
- * All other general surgical procedures.

Monopolar cut : Pure Sine Wave 390 KHz

- * Low Cut : Continuous output, 300 W at 300 Ω , CF 1.5
- * Pure Cut : Continuous output, 400 W at 300 Ω , CF 1.5
- * Blend : Bursts at 29 kHz, 55% on cycle, 200 W at 300 Ω , CF 2
- * Endocut : Pulse output, 200 W at 300 Ω , CF 1.5

Bipolar Coag : Pure Sine Wave 440 KHz

- * Standard : Continuous output, 70 W at 100 Ω , CF 1.5, Medium Volt
- * Precise : Continuous output, 120 W at 100 Ω , CF 1.5, Low Volt

Macro : Continuous output, 120 W at 100 Ω , CF 1.5, High Volt

Monopolar Coag : Damped Sine Wave 460 KHz

- * Desiccate : Repetition Frequency 83 kHz, 120 W at 500 Ω , CF 5.0
- * Fulgurate : Repeating frequency 34 KHz, 120W at 500 Ω , CF 6.0
- * Spray : Randomized Repeating frequency 34 KHz < F < 50 KHz, 120 W at 500 Ω , CF 8.0.

Feedback System:

Max. Output Power Tolerance +/- 15% or 5 W which ever is greater at any setting with PER - 98.

3 Micro processor control technology with sampling rate above 4,000 sense per sec.



Vessel Seal : Pure Sine Wave 440 KHz

Seal : Pulse output mode, 5 level, 150 W at 100 Ω, CF 1.5

Bipolar Cut/Coag : Pure Sine Wave 440 KHz

Bip Cut : Continuous output, 100 W at 100 Ω, CF 1.5, High Volt

Bip Coag. : Continuous output voltage, 120 W at 100 Ω, CF 1.5, Medium Volt

Dimension : 380mm x 140mm x 470mm (W x H x D)

Weight : < 8 kg

Operating voltage : 180-230 VAC, 50 Hz

Max. Power Input : 950 VA, Fuse 4A, UPS Backup : 1KVA

Features of Analytical Technologies Limited Quick Seal

Vessel sealing Mode : Sealing up to 7mm and energy stop with audio indication at completion of sealing cycle.

Tissue Regrasp Alarm : It is given if insert is closed or open and tissue is too thick.

Bipolar Cut : Bipolar cut mode can be used for bipolar cutting along with hooks or Analytical Technologies Limited desiccate cutting instrument.

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

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

Power Fail Memory : Yes (available).

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

Acceptance of Patient Plates : Dual Area or Single Area can be used either disposable or reusable.

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

Surgical Applications : Useful for wide range of surgical application as Plastic, Neuro, ENT, Spine, Ophthalmic, Laparo Surgery, Ortho, Open & General Surgery, Oncology, Gynaecology, GI Endocut, Papillotomy, Polypectomy, Under Water, Urology, Gynae TCRE, Hysteroscopy, Thoracotomy, Thoracic and Cardiac Surgery. Unit is suitable for all kind of Open, Endoscopic, Laparoscopic and Minimally Invasive Surgery. Vessel sealing : Laparoscopic/Radical/Vaginal/Abdominal Hysterectomy, Appendectomy, Chole-Cystectomy, Gastric-Bypass Haemorrhoidectomy, LAVH, Liver Resection, Nephrectomy, Nissen Fundoplication, Splenectomy.

A) ESU/ Diathermy.

- 1) Cord for patient return electrode.....1No.
- 2) Monopolar footswitch, low profile.....1No.
- 3) Silicon Rubber/ Steel patient return electrode, large.....1No.
- 4) Foot switching chuck handle, large pin.....1No.
- 5) Hand switching Pencil1No.
- 6) Universal adapter1No.
- 7) Bipolar Forceps, straight/Bayonet.....1No.
- 9) Bipolar Foot Switch.....1No.

B) Vessel Sealing System Section:

- 10) Open Sealing Clamp 23cm 5mm tip with Cable.....1No.
- 11) Sealer Handle 5mm with Cable1No.
- 12) Sealer Insert, Straight, dia 5mm, 35cm.....1No.
- 13) Desiccate Insert with handle, 5mm, 35cm1No.

Regulatory compliances



Corporate Social Responsibility



Analytical Foundation

Analytical Foundation is a nonprofit organization (NGO) found for the purpose of:

1. Research & Innovation Scientist's awards/QC Professional Award : Quality life is possible by innovation only and the innovation is possible by research only, hence ANALYTICAL FOUNDATION is committed to identify such personalities for their contributions across various field of Science and Technology and awarding them yearly. To participate for award, send us your details of research / testing / publication at Info@analyticalfoundation.org
2. Improving quality of life by offering YOGA Training courses, Work shops/Seminars etc.
3. ANALYTICAL FOUNDATION aims to DETOXYFY human minds,souls and body by means of yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Camps etc.

Reach us @



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