



Bovie® introduces the IDS-310 Electrosurgical Generator. The system was designed in conjunction with OR clinicians to provide a safe, user-friendly generator to meet all operating room procedure performance demands. This innovative energy-based device offers 13 modes of surgical energy delivery. Special modalities include the advanced Bovie® Bipolar, Auto Bipolar options and special Laparoscopic modes. These modes were included to assist surgeons in tailoring all electrosurgery needs for their variety of surgical applications and user preferences.

TAILORED MODES FOR SURGICAL PRECISION CUT

Cut I – General cutting with a standard RF waveform used in open and endoscopic surgical procedures. For use in a wide range of tissue with minimal hemostasis.

Cut II – Tailored specifically for Laparoscopic procedures, Cut II offers a precisely managed cutting energy that limits output thereby minimizing the potential risk of capacitive coupling and alternate site burns due to weakened insulation.

Blend (Level 1, 2, 3 & 4) – Blended cutting offers varying levels of hemostasis during a cut procedure providing increased control of bleeding at the surgical application site.

COAGULATION

Pinpoint – General coagulation delivering rapid desiccation effects with minimal tissue damage

Spray – Recommended for hemostasis in highly vascular or large surface areas and for non-contact tissue coagulation to control superficial bleeding. Spray mode permits dual, simultaneous activation of two monopolar accessories with audible dual activation tone alert.

Gentle – Gentle mode offers more concentrated coagulation than in other modes. For instance, when coagulation is necessary in short amounts of time, reduced electrode carbonization is provided.

BIPOLAR

Standard – Bipolar coagulation which gently coagulates tissue for minimal tissue damage reducing carbonization and sticking.

Macro – Intense bipolar output allowing for aggressive coagulation, with cut-like effects over a wide range of tissue.

Micro – Fine bipolar coagulation for use in extremely gentle and precise surgical applications.

Bovie® Bipolar – Exclusive to the IDS-310, Bovie® Bipolar is a pulsing bipolar coagulation for quick and powerful coagulation of tissue. Pulsing performance can be tailored specifically to achieve the optimal surgical effect.

AUTO BIPOLAR INTUITIVE TECHNOLOGY

Auto Bipolar offers immediate and simplified tissue coagulation with minimal tissue damage. This feature automatically activates, coagulates and deactivates for precise tissue coagulation and eliminates the need for a footswitch. This feature is compatible with Bovie's Micro, Macro and Standard bipolar modes and can be set to surgical preferences for critical procedures.

SURGICAL MEMORY TECHNOLOGY

The IDS-310 recalls the last used power and mode. Its User Preset can recall up to 10 presets and up to 6 bipolar output preferences.

TISSUE SENSING TECHNOLOGY

Utilizing Bovie's own FDFS™ tissue sensing technology, the IDS-310 ensures consistent energy delivery throughout any procedure. This technology senses tissue density changes over 5 million times per second and adjusts the output power to any varying tissue impedance 5000 times per second.



PRODUCT SPECIFICATIONS

Monopolar	Watts	Vpeak Max Voltage	Crest Factor (Typical)	Frequency (KHz)
Cut I	300	1000V	1.7 ± 20%	490 kHz ± 4.9 kHz
Cut II	300	750V	1.7 ± 20%	490 kHz ± 4.9 kHz
Blend (1)	200	1320V	1.8 ± 20%	490 kHz ± 4.9 kHz
Blend (2)	200	1475V	2.0 ± 20%	490 kHz ± 4.9 kHz
Blend (3)	200	1650V	2.2 ± 20%	490 kHz ± 4.9 kHz
Blend (4)	200	1870V	2.4 ± 20%	490 kHz ± 4.9 kHz
Pinpoint Coag	120	1800V	3.1 ± 20%	490 kHz ± 4.9 kHz
Spray Coag	120	4000V	6.0 ± 20%	350 to 450 kHz
Gentle Coag	120	450V	1.6 ± 20%	490 kHz ± 4.9 kHz
Bipolar	Watts	Vpeak Max Voltage	Crest Factor (Typical)	Frequency (KHz)
Macro Bipolar	80	600V	1.5 ± 20%	490 kHz ± 4.9 kHz
Micro Bipolar	80	450V	1.5 ± 20%	490 kHz ± 4.9 kHz
Standard Bipolar	50	300V	1.5 ± 20%	490 kHz ± 4.9 kHz
Bovie Bipolar	225	250V	1.5 ± 20%	490 kHz ± 4.9 kHz
Auto Bipolar	80		1.5 ± 20%	490 kHz ± 4.9 kHz

Contact Monitoring Systems	BovieNEM	Audible/Visible Output Meter	Yes
Range /Trip Point	10 ohms or less over entire operating range (10C° to 40°C)	Pre-set Feature	Yes
Cooling System	Passive Cooling	Current Meter	Yes
Power Display Accuracy	± 20% or 5 watts whichever is greater	Monopolar HP Ports	2
Technology	Isolated RF Output	Connector Ports/ Power Switch	Black
Weight	<9.07 kg (<20 lbs)		
Dimensions	W: 37.5 cm (14.75 in.)	H: 37.5 cm (14.75 in.)	D: 46 cm (18.1 in.)
Warranty	2 years		
		Box Color	Blue
		Face Plate	Silver
		Overlay	Blue Gradient



RECOMMENDED ACCESSORIES

To avoid incompatibility and unsafe operation, we recommend using the following Bovie® accessories with the Bovie® IDS-310:

- BV-1253B - Monopolar Footswitch
- BV-1254B - Bipolar Footswitch
- A1210A - Monopolar Foot-Control Instrument Adapter
- A1210D - Disposable Monopolar Foot-Control Instrument Cable
- A1210R - Reusable Monopolar Foot-Control Instrument Cable
- BV-IDS-CS - Mobile Cart Stand
- A827V - Bipolar Cable
- ESP1, ESP6 or ESPR2 - Monopolar Handpiece