From the most recognized name in Electrosurgery, Bovie® introduces the IDS-310 Electrosurgical Generator. The system was designed in conjunction with OR clinicians to provide a safe, user-friendly generator that meets all operating room procedure performance demands. This innovative technology offers 13 modes of surgical energy delivery, including the unparalleled Bovie® Bipolar, Auto Bipolar options and special Laparoscopic modes included for surgeons to tailor 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 to provide increased control of bleeding at 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, non-contact tissue coagulation to control superficial bleeding. **Dual, simultaneous activation of two (2) monopolar accessories permitted in Spray mode.**
- **Gentle** – Gentle is a 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

<table>
<thead>
<tr>
<th>Monopolar</th>
<th>Watts</th>
<th>Vpeak Max Voltage</th>
<th>Crest Factor (Typical)</th>
<th>Frequency (KHz)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cut I</td>
<td>300</td>
<td>1000V</td>
<td>1.7 ± 20%</td>
<td>490 kHz ± 4.9 kHz</td>
</tr>
<tr>
<td>Cut II</td>
<td>300</td>
<td>750V</td>
<td>1.7 ± 20%</td>
<td>490 kHz ± 4.9 kHz</td>
</tr>
<tr>
<td>Blend (1)</td>
<td>200</td>
<td>1320V</td>
<td>1.8 ± 20%</td>
<td>490 kHz ± 4.9 kHz</td>
</tr>
<tr>
<td>Blend (2)</td>
<td>200</td>
<td>1475V</td>
<td>2.0 ± 20%</td>
<td>490 kHz ± 4.9 kHz</td>
</tr>
<tr>
<td>Blend (3)</td>
<td>200</td>
<td>1650V</td>
<td>2.2 ± 20%</td>
<td>490 kHz ± 4.9 kHz</td>
</tr>
<tr>
<td>Blend (4)</td>
<td>200</td>
<td>1870V</td>
<td>2.4 ± 20%</td>
<td>490 kHz ± 4.9 kHz</td>
</tr>
<tr>
<td>Pinpoint Coag</td>
<td>120</td>
<td>1800V</td>
<td>3.1 ± 20%</td>
<td>490 kHz ± 4.9 kHz</td>
</tr>
<tr>
<td>Spray Coag</td>
<td>120</td>
<td>4000V</td>
<td>6.0 ± 20%</td>
<td>350 to 450 kHz</td>
</tr>
<tr>
<td>Gentle Coag</td>
<td>120</td>
<td>450V</td>
<td>1.6 ± 20%</td>
<td>490 kHz ± 4.9 kHz</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Bipolar</th>
<th>Watts</th>
<th>Vpeak Max Voltage</th>
<th>Crest Factor (Typical)</th>
<th>Frequency (KHz)</th>
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<tbody>
<tr>
<td>Macro Bipolar</td>
<td>80</td>
<td>600V</td>
<td>1.5 ± 20%</td>
<td>490 kHz ± 4.9 kHz</td>
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<tr>
<td>Micro Bipolar</td>
<td>80</td>
<td>450V</td>
<td>1.5 ± 20%</td>
<td>490 kHz ± 4.9 kHz</td>
</tr>
<tr>
<td>Standard Bipolar</td>
<td>50</td>
<td>300V</td>
<td>1.5 ± 20%</td>
<td>490 kHz ± 4.9 kHz</td>
</tr>
<tr>
<td>Bovie Bipolar</td>
<td>225</td>
<td>250V</td>
<td>1.5 ± 20%</td>
<td>490 kHz ± 4.9 kHz</td>
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<tr>
<td>Auto Bipolar</td>
<td>80</td>
<td></td>
<td>1.5 ± 20%</td>
<td>490 kHz ± 4.9 kHz</td>
</tr>
</tbody>
</table>

Contact Monitoring Systems: BovieNEM

Range /Trip Point: 10 ohms or less over entire operating range (10°C to 40°C)

Cooling System: Passive Cooling

Power Display Accuracy: ± 20% or 5 watts whichever is greater

Technology: Isolated RF Output

Audible/Visible Output Meter: Yes

Pre-set Feature: Yes

Current Meter: Yes

Monopolar HP Ports: 2

Connector Ports/Power Sw: Black

Box Color: Blue

Face Plate: Silver

Overlay: Blue Gradient

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

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 ESPR - Monopolar Handpiece

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