

IDS Intelligent Digital System

The Bovie® IDS Series are innovative electrosurgical generators with fully digital implementation for use in today's modern OR and surgical outpatient center. The Bovie-IDS units are easy-to-handle yet capable of covering a whole spectrum of electrosurgical interventions. Monopolar and bipolar functions satisfy all surgical demands with maximum safety and a user-friendly interface.

Bovie's digital technology will make controlling the IDS Systems very simple for the OR team, allowing the surgeon to concentrate on what's important – the operation and the patient.

Safety Features

Safety is digitally designed inside.

IDS technology meets the requirements of a variety of medical specialties, procedures, and indications in the modern OR.

BovieFDFS™ (Fast Digital Feedback System)

The digitally controlled CUT and COAG functions give a consistent clinical effect.

For the first time in electrosurgery, through digital technology, we are able to measure tissue impedance in real time (5000 times a second). As the impedance varies, the power is adjusted to deliver a consistent clinical effect.

BovieNEM™ (Neutral Electrode Monitoring)

Improved patient safety with the latest digital implementation.

BovieFCFS™ (First Come First Served)

Discrete output design allows only one output device to be activated at any given time.

BovieDED™ (Digital Error Detection)

Unsurpassed safety for the surgeon, OR staff, and patient. At the sign of any problem, the unit instantly disables the output, sounds an alarm and displays the appropriate error code.

Package

Complete cart, unit and smoke evacuator package available.



Intelligent Design...

Specifications:

REFERENCE	IDS-300
OUTPUT TYPE	RF ISOLATED F
OUTPUT POWER	
Cut I & II	300 W @ 300 Ω
Blend	200 W @ 300 Ω
Pinpoint	120 W @ 500 Ω
Spray	80 W @ 500 Ω
Bipolar	80 W @ 150 Ω
Duty Cycle	10 S / 30 S

OUTPUT FREQUENCY	490 kHz ± 5
INPUT CURRENT	4.5 A ~
LINE VOLTAGE	100 - 240 V ~
LINE FREQUENCY	50-60 Hz
WARRANTY	Two Years
DIMENSIONS	
Width	31.1cm (12.25 in)
Height	15.3cm (6.00 in)
Depth	41.3cm (16.25 in)
Weight	< 8.75kg (< 19 lbs)



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Calibration Free

The IDS-300 does not need any calibration due to its digital technology.

Coagulation

A Digitally Controlled and Regulated Coagulation Effect

Bovie's IDS Coagulation technology performs Monopolar and Bipolar Coagulation effectively in every type of tissue and a variety of procedures.

Pinpoint Coagulation Mode delivers a digitally controlled rapid desiccation effect with minimal carbonization and less sticking of the active electrode.

Spray Coagulation Mode gives digitally controlled non-contact coagulation with a slight penetration of the tissue surface.

Bipolar Mode also uses digital technology to reduce instrument sticking and to minimize tissue destruction.

Footswitch Indicator

A display on the front of the generator clearly indicates if one or two footswitches are connected.

Surgeon's Preset Center

A preset center allows up to 10 surgeons to store their preferred power settings in the Cut, Coagulation, and Bipolar Modes.

Plug and Play

The IDS-300 is ready to use: plug in the instrument; start to work.

Cutting

A Digitally Controlled and Regulated Cutting Effect

The Intelligent Digital System technology with integrated BovieFDFS™ (Fast Digital Feedback System) permits reproducible cuts regardless of the tissue type. FDFS™ technology offers digitally controlled cutting effects for efficient operation and optimal results with a high degree of safety. This innovative cut behavior can be utilized in a variety of procedures, from high-powered / high-impedance procedures (CUT I) to general applications (CUT II).

CUT I Mode has a digitally controlled cutting quality that ensures performance when cutting adipose tissue or cutting underwater with minimal output power.

CUT II Mode is a less aggressive cutting effect with the highest degree of safety for precise effects in general applications or microsurgery.

Blended Cutting Mode with 10 blend settings affords the most effective blend setting for the desired effect during any kind of procedure.

Intelligent Digital System

technology gives the surgeon the flexibility to consistently choose the type of effect desired with maximum convenience and safety.