

Electro Surgical Cautery

Model: **STEREO LID**



New Improved
& Safe **Monopolar**
with **Vessel Sealing**

Safety Features

1. Protection Class According to EN 60601-1
2. Body Protected and cardiac protected design
3. HF Leakage current < 150mA
4. Patient Plate Monitoring System

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Electrosurgical vessel sealing is a specialized system developed by **Glamatic's** for minimal access and open surgery. This technology can facilitate a range of minimal access surgical procedures, helping to meet government objectives of reduced length of stay for patients in hospital. Each of these devices comprises an electrosurgical unit (**ESU**) with a high power and low voltage bipolar mode and specialist instruments that combine tissue compression with tissue heating to produce haemostasis in arteries, veins or a bundle of tissue. This is a technology which is different from conventional diathermy and provides a unique combination of pressure and energy to create vessel fusion and permanently fuses vessels up to and including 7 mm in diameter and tissue bundles, without dissection or isolation.

An optimized combination of pressure and energy creates the seal by melting the collagen and elastin in the vessel walls and reforming it into a permanent, plastic-like seal and results in virtually no sticking or charring. It does not rely on a proximal thrombus. Feedback-controlled response system automatically discontinues energy delivery when the seal cycle is complete, eliminating the guesswork.



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Product Features

01

CUT MODE

PURE - A high-frequency alternating current yields smooth, rapid cuts that evoke little to no hemostasis.

BLEND 1 - Preset blended cut modes give the surgeon varying degrees of hemostasis in cut mode.

BLEND 2 - The mode is used for the vaporization of prostatic tissue or any fat tissue. The higher output wattage gives fast cutting effect of the tissue

ENDOCUT - The mode is used to automatically control cut system to reduce the complication rate of endoscopic sphincterotomy (EST) and serum hyperamylasemia after EST compared to the conventional blended cut mode.

02

COAG MODE

SPRAY - Spray output is made for direct coagulation at the tissue with spark. This spark does not give any cutting effect as its crest factor is high.

FORCE - This mode is a greater degree of homeostasis and covers all demands of standard coagulation. This produce the fine tune waveform that creates superficial resistance in the tissue resulting in superior coagulation where the tissue destroyed by hyper evaporation.

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FULGURATE - Sparking the tissue to lead to coagulation. There is no tissue-electrode contact; rather, voltage is raised in order to incite a spark between electrodes in order to coagulate the tissue in between.

DESICCATE - Coagulation in which the active electrode is in direct contact with the tissue is referred to as desiccation and is the type of coagulation used in most surgeries. It ensures pinpoint desiccation with less destruction of peripheral tissue.

03

BIPOLAR MODE

BI-COAG - for highly precise control over coagulation process and privations of carbonization

BI-CUT - Bipolar CUT technology lets you nearly eliminate excessive current, even during precision cutting in minute tissue structure.

AUTO - coagulation start by pressing the footswitch and stops output and audio signal automatically when the tissue is coagulated

SEAL - This mode provides unique combination of pressure & energy to create vessel fussion, leaving no foreign material behind. Easemed designed special feature that seal as well as cut simultaneously used with help of sealer instrument using programme 5 & 6 for surgery.

Salient Features

1. 99 program modes : User settable program mode
2. Frequency : 480khz (Monopolar)
3. Frequency - 1 Mhz (Seal Mode)
4. Display - 7 Segment LED
5. Weight - 7.5 Kg. (Approx)
6. Dimension - L 440 (mm) x W 355 (mm) x H 155 (mm)
7. Input Supply Voltage - 110V / 230 VAC (+/-15%) 50 Khz
8. Separates **Monopolar & Bipolar** / Seal foot-switches

Standard Accessories



CHUCK HANDLE
WITH **ELECTRODES**



BIPOLAR FORCEP
WITH **CABLE**



**MONOPOLAR / BIPOLAR
FOOT SWITCH**



**DISPOSABLE HAND
SWITCH PENCIL**



PATIENT PLATE WITH CORD

Technical Specification

CUT

MODE	MAX POWER	LOAD	CREAST FACTOR
PURE CUT	400 W	300Ω	1.5
BLEND 1	250W	300Ω	1.5
BLEND 2	200W	300Ω	1.5
ENDOCUT	99%	300Ω	1.5

Technical Specification

COAG

MODE	MAX POWER	LOAD	CREAST FACTOR
SPRAY	120 W	300Ω	7
FORCE	120W	300Ω	6.5
FULGURATE	150W	300Ω	6
DESICCATE	150W	300Ω	6

BIPOLAR

MODE	MAX POWER	LOAD	CREAST FACTOR
BI-COAG	80 W	100Ω	1.5
BI-CUT	80W	100Ω	1.5
AUTO	100W	100Ω	1.5
SEAL	150W	100Ω	1.5



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