

# LigaSure Electrosurgical Unit



Electrosurgical Unit with Ligasure (US FDA verified)

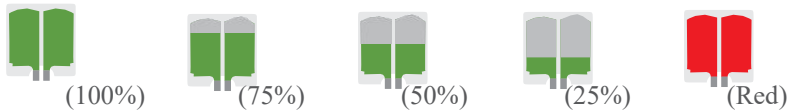
## Technical Features:

### Intelligent Device

- The intuitive design and user-friendly set-up of Electrosurgical Unit in the modern operating room,
- Monopolar and bipolar functions, It can satisfy all the surgeries demands, with safety, flexibility, reliability and convenience.
- With a wide TFT LCD touch screen (7 inch), clean and sharper image quality, which provides the user with easy access to all functions. The settings or modes of operation are changed by touching icons on the screen to ensure maximum ease of operation.

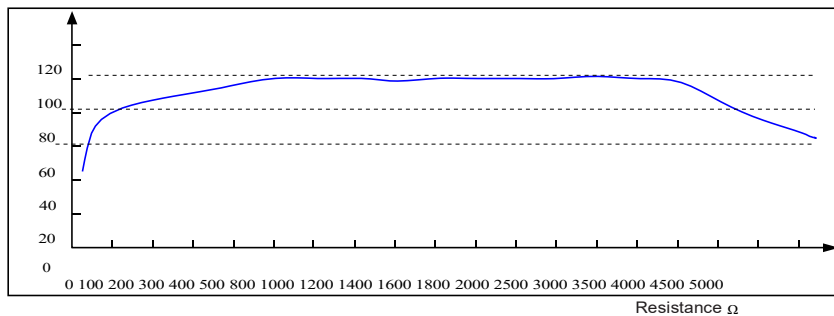
### REM (Return Electrode Monitoring)

The REM system continually monitors patient impedance levels and deactivates the generator if a fault in the patient/return electrode contact is detected, which minimize the danger of burning incidents.



### Real-time Monitoring and Instance Response System for Tissue Density

This proprietary technology delivers optimal clinical effects through continuous synchronization of current and voltage. It samples the current and voltage 450,000 times per second which enables it to respond to tissue impedance changes in less than 10 milliseconds, which ensuring the machine achieves optimum energy output levels quicker and more accurately – ensuring that only the precise voltage needed is safely delivered to each tissue type



## Ligasure Vessel Sealing

The machine enables permanent sealing up blood vessels with a diameter up to 7mm with this technology under bipolar coagulation..

## Automatic Self-Test

Once switched on, AHANVOS systems perform a comprehensive internal test

## Technical Specification:

| Technical Parameters           | High Frequency Leakage | Low Frequency Leakage                         |
|--------------------------------|------------------------|---|
| Main Frequency: 512 KHz        | Monopolar: < 150mA     | Normal Polarity, Intact Chassis Ground: <10μA |
| Power Supply: 100-240V/50-60Hz |                        | Normal Polarity, Ground open < 50μA           |
| Dimension 47*34*17cm           | Bipolar: < 60mA        | Reverse Polarity, Ground Open < 50μA          |
| Weight 8.00KG                  |                        | Sink Current, 140V Applied, All inputs < 50μA |

| Working Mode            |                       | Max.output power | Rated Load |
|-------------------------|-----------------------|------------------|------------|
| Monopolar Cut           | Pure Cut              | 150 W            | 500 Ω      |
|                         | Blend Cut I           | 120 W            | 500 Ω      |
|                         | Blend Cut II          | 100 W            | 500 Ω      |
| Monopolar Coagulation   | Fulgurate Coagulation | 120 W            | 500 Ω      |
|                         | Spray Coagulation     | 100 W            | 500 Ω      |
| Bipolar Coagulation     | Standard Coagulation  | 80 W             | 100 Ω      |
| Ligasure Vessel Sealing |                       | 150 W            | 25 Ω       |

## Accessories:



Disposable ESU Pencils



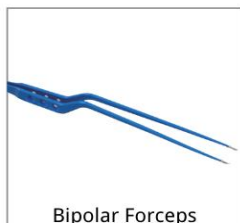
Disposable ESU Plate



Reusable Plate Cable



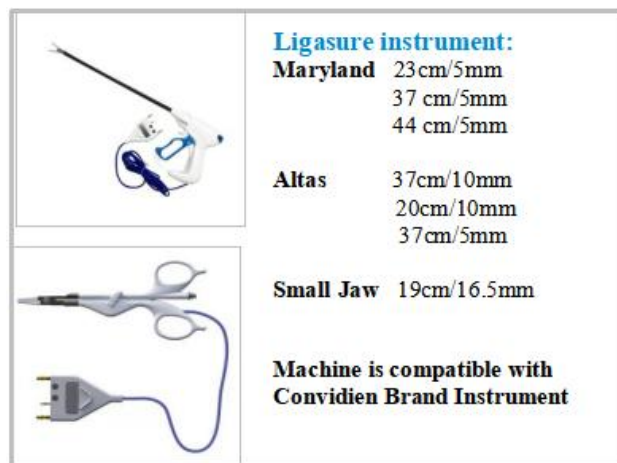
Two Button Footswitch



Bipolar Forceps



Bipolar Forceps Cable



### Ligasure instrument:

**Maryland** 23cm/5mm  
37 cm/5mm  
44 cm/5mm

**Altas** 37cm/10mm  
20cm/10mm  
37cm/5mm

**Small Jaw** 19cm/16.5mm

**Machine is compatible with  
Convivial Brand Instrument**