

Plus LigaSure Vessel sealing



Top-level and Multifunctional Electrosurgical Generator with Ligation FDA verified

Intelligent Device System

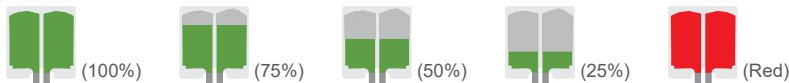
The intuitive design and user-friendly set-up of the AHANVOS Electrosurgical Generator (diathermy) for use in the modern operating room, it features both monopolar and bipolar functions to satisfy all the surgeries demands with safety, flexibility, reliability and convenience.

Technical Features: Touch Screen

AHANVOS electrosurgical system is controlled with a wide TFT LCD touch screen (7 inch), clean and sharper image quality, which provides the user with easy access to all diathermy functions. The settings or modes of operation are changed by touching icons on the screen. To ensure maximum ease of operation there are no extra buttons or knobs.

REM (Return Electrode Monitoring)

Return electrode contact quality monitoring system (REM). 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.



Automatic Self-Test

Once switched on, AHANVOS systems perform a comprehensive internal test

Two Pencils Work Simultaneously

It can meet the special surgeries like Heart bypass operation and etc, which ensure two users can operate respectively without interference.

TURP Functions

Both under Monopolar modes and Bipolar modes

This mode is used in under water environment for surgery especial Resectoscopy, which removes the tissue in the prostate with kinetic plasma under saline liquid.

Pulse Output

Pulse Cut Technology provides control of cutting depth for critical dissections necessary for Endoscopic retrograde cholangiopancreatography (ERCP), which mainly for the Gastrointestinal (GI) range surgery.

Pulse Coag Technology provides pulsing bursts of Coagulation energy for more control of hemostasis during the operations, which make sure less tissue carbonization.

Polypectomy Function

Special cutting modes necessary to remove polyps and the procedure of Papillotomy, alternating of cutting and coagulation enables achieving an optimal coagulation for this application and reduces the probability of bleeding.

Mastoid Cut Function

This function can be used for ENT surgeries and etc.

Endo-Cut Function

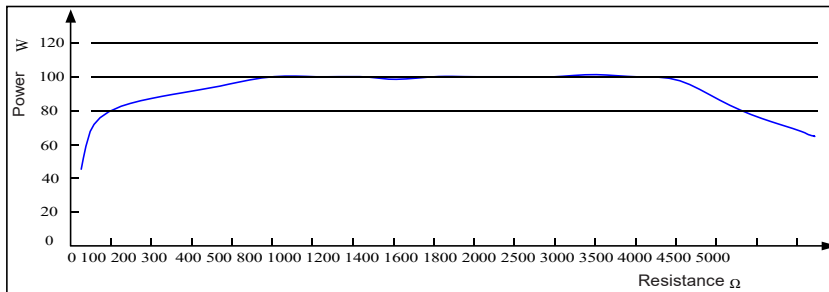
It produces pulse cutting perfect for endoscopy procedures under monopolar modes, which means alternations between cutting and coagulation stages, which can be used for the Gastroenterology.

Air-Beam Coag Function

A mode used for contact-free Coagulation of Surfaces, it eliminates smoke and smell, ensure very shallow and wide coagulation, Necessary when there is a risk of perforation.

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 (Seal-Safe)

With above mentioned Real-Time and instance response system, it enables permanent sealing up blood vessels with a diameter up to 7mm with this technology under bipolar coagulation (*Seal-safe modes*).

Endoscopic Vessel Sealing (Endo-Safe)

Vessel sealing under water with endoscopic instrument

Automatic Start /Stop

Under Bipolar cut and coagulation modes, user can choose Pedal control or Automatic control, under Automatic control.

Memory Records Features

Memory program that allows customize settings for different interventions and surgeons. Now total from 0-99 memory locations can be available for user- defined settings, which make AHANVOS a versatile, indispensable companion in HF surgery.

Compatible with Argon Plasma Coagulation System

Compatible with Argon Generator, non-contact tissue, which can have very good effect for digestive surgery.

Optimum Smoke Evacuation System

AHANVOS Electrosurgical unit can be integrated with smoke Evacuation system, which will automatically trigger the smoke evacuation when energy is activated.

Multilanguage Available:

Language options: English, Spanish, Portuguese, Turkish and etc.

Upgrade Interface:

RS232 interface available to connect with computer, which allows remote problem detect and further software upgrade.

Application of Use

General Surgery; Ligation Surgery; Gastroenterology
 Dermatology; Vascular Surgery; Obstetrics and Gynecology
 Heart/Thoracic Surgery; ORL/ENT; Minimally Invasive Surgery (MSI)
 Cerebral surgery; Neurosurgery, Orthopedics & Plastic Surgery;
 Trans Urethral Resection (TUR) and etc.

Technical Specification:

Main Frequency: 512 KHz
 Power Supply: 100-240V / 50-60Hz
 Dimension: 34*17*47
 Weight: 6.00KG

High Frequency Leakage:

Monopolar: < 150mA
 Bipolar: < 60mA

Low Frequency Leakage:

Normal Polarity, Intact Chassis Ground: <10μA
 Normal Polarity, Ground open< 50μA
 Reverse Polarity, Ground Open< 50μA
 Sink Current, 140V Applied, All inputs < 50μA

Technical specification:

Working Mode		Max.output power	Rated Load	P-P Voltage	Crest Factor
Monopolar-Cut	Pure	400W	500Ω	1900V	1.5
	Blend 1	300W	500Ω	2600V	2.0
	Blend 2	250W	500Ω	2800V	2.2
	Blend 3	200W	500Ω	2800V	2.4
	URINARY 1	200W	500Ω	1500V	1.5
	URINARY 2	200W	500Ω	1900V	2.0
	POLYP 1	120W	300Ω	1200V	2.8
	POLYP 2	120W	300Ω	1400V	2.6
	MASTOID 1	80W	300Ω	1200V	6.8
	MASTOID 2	150W	300Ω	1400V	7.6
	MUCOSAL	100W	300Ω	1400V	4.2
	CARE	60W	500Ω	900V	1.5
	SOFT	120W	500Ω	1000V	1.5
Monopolar-Coag	SOFT	180W	500Ω	3000V	3.2
	FULGURATE	120W	500Ω	5500V	3.2
	URINARYCG1	120W	500Ω	2500V	3.2
	URINARYCG2	120W	500Ω	2600V	3.2
	CARE	60W	300Ω	1600V	3.2
	DESICCATE	120W	300Ω	3000V	3.2
	SPRAY	120W	500Ω	7500V	7.0
	AIR-BEAM	120W	500Ω	4000V	3.2
Bipolar-Cut	ENDO CG	100W	300Ω	2200V	6.0
	PURE	120W	100Ω	600V	1.5
	BLEND	100W	100Ω	600V	1.7
	SHEAR	100W	100Ω	550V	1.5
	TURP 1	120W	100Ω	700V	1.7
	TURP 2	100W	100Ω	600V	1.5
	TURB 1	120W	100Ω	700V	1.7
Bipolar-Coag	TURB 2	100W	100Ω	600V	1.5
	MACRO	100W	100Ω	700V	1.7
	MICRO	60W	100Ω	390V	1.5
	SEAL SAFE	300W	50Ω	450V	1.6
	ENOO SAFE	100W	25Ω	290V	1.6
	TUR	150W	100Ω	700V	1.7
	PRECISE	150W	100Ω	600V	1.5
STANDARD	150W	100Ω	700V	1.7	

The Accessory kit can be defined to suit the user's needs and preferences.