

ZEUS VISION



ZEUS VISION Specification

Specification

Rated Voltage	AC120V or AC230V
Rated Frequency	50Hz / 60Hz
Power Consumption	1200VA +10%
Fuse	T10AH when AC120V or T6.3AL when AC230V
Protection class	Class 1, Type CF
Leakage current	in acc. with IEC601,Part2-2
Carrier Frequency	400kHz, 500kHz
Repeat Frequency	33kHz
Size (W×D×H)	410mm × 388mm × 160mm
Weight	12.5Kg
Using Environment	
Operation temperature	10℃ to 40℃
Storage temperature	-10℃ to 60℃
Humidity	20% to 95% RH,
Operation altitude	700mbar ~ 1060mbar
Operation Cycle	10sec ON 30sec Idle
Cooling	1 inner fan

Output Power

Mode	Output Power	Carrier Freq.	Crest Factors	Duty Rate	Repeat Freq.
Pure Cut	400W / 200Ω	400kHz	1.6	100%	Continuous
Blend1	250W / 200Ω	400kHz	2.4	70%	33kHz
Blend2	200W / 200Ω	400kHz	2.3	55%	33kHz
Blend3	150W / 200Ω	400kHz	2.8	45%	33kHz
Contact Coagulation	120W / 200Ω	400kHz	3.3	40%	33KHz
Spray Coagulation	100W / 300Ω	400kHz	5.9	8.0%	33kHz
Argon Coagulation	100W / 300Ω	400kHz	5.9	8.0%	33kHz
Bipolar Standard	100W / 100Ω	500kHz	1.3	100%	Continuous
Bipolar Auto Start	100W / 100Ω	500kHz	1.3	100%	Continuous
Bipolar Forced	80W / 100Ω	500kHz	2.7	30%	33KHz
Bipolar Cut	120W / 200Ω	500kHz	1.6	100%	Continuous
Bipolar Blend	100W / 200Ω	500kHz	2.2	65%	33KHz

Output Power(Optional)

Mode	Output Power	Carrier Freq.	Crest Factors	Duty Rate	Repeat Freq.
Soft Coagulation	80W / 100Ω	400kHz	1.4	100%	Continuous
Papillotomy	150W / 200Ω	400kHz			
Polypectomy	150W / 200Ω	400kHz			

Standard Accessories Optional Accessories

	<i>Double foot switch</i>	<i>(FS02-01R)</i>		<i>Bipolar Forceps 15.2cm 1.0 Tip</i>	<i>(BF01-02R)</i>
	<i>Single foot switch</i>	<i>(FS01-01R)</i>		<i>Bipolar Forceps 9.0cm 0.5 Tip</i>	<i>(BF02-01R)</i>
	<i>Disposable twin button handle Monopolar</i>	<i>(HD02-01D)</i>		<i>Bipolar Forceps 12.1cm 1.0 Tip</i>	<i>(BF02-02R)</i>
	<i>handle & cable</i>	<i>(HD01-02R)</i>		<i>Bipolar Forceps 17.8cm 1.0 Tip</i>	<i>(BF02-03R)</i>
	<i>Silicone patient plate</i>	<i>(PL02-01R)</i>		<i>Bipolar Forceps Angled 9.0cm 0.5 Tip</i>	<i>(BF03-01R)</i>
	<i>Disposable Patient Plate, Adult Dual</i>	<i>(PL03-02D)</i>		<i>Bipolar Forceps Angled 17.8cm 1.0 Tip</i>	<i>(BF03-02R)</i>
	<i>Return patient Plate cable</i>	<i>(CA02-02R)</i>		<i>Monopolar Connecting Cable (3Φ)</i>	<i>(CA08-01R)</i>
	<i>Ground Cable</i>	<i>(CA03-01R)</i>		<i>Monopolar Connecting Cable (4Φ)</i>	<i>(CA08-02R)</i>
	<i>Bipolar Forceps cable</i>	<i>(CA01-02R)</i>		<i>Monopolar Connecting Cable (4.2Φ)</i>	<i>(CA08-03R)</i>
	<i>Bipolar Forceps 17.8cm 1.0Tip</i>	<i>(BF01-01R)</i>			
	<i>Knife Electrode</i>	<i>(EL01-02D)</i>			
	<i>Ball Electrode</i>	<i>(EL02-02D)</i>			
	<i>Loop Electrode</i>	<i>(EL03-02D)</i>		<i>Cart</i>	<i>(CT01-01R)</i>
	<i>Needle Electrode</i>	<i>(EL04-02D)</i>			
	<i>Needle Electrode Angled</i>	<i>(EL04-04D)</i>		<i>Disposable Patient Plate, Pediatric Dual</i>	<i>(PL03-03D)</i>

Feature

- This equipment consists of 7 inch of TFT LCD and 5 functional keys which are placed in the front part.
- With the adoption of touch screen, it is easy to select menu, operation functions and RF output.
- Menu and operation functions can be selected by Menu Button, Esc Button, Enter Button, Up Button and Down Button.
- The ON/OFF function of Touch Screen is provided.
- One equipment provides such functions that are required to perform an operation as Functional Cutting (Pure Cut, Blend1, Blend2, Blend3), Coagulation (Spray Coagulation, Contact Coagulation), Bipolar Coagulation (Bipolar Standard, Bipolar Auto Start, Bipolar Forced, Bipolar Cut, Bipolar Blend).
- Two Twin Button Handles provide remote-control function. (Select Cutting or Coagulation)
- Foot Switch is available for Cutting and Coagulating.
- It can be used by selecting the monopolar output (M1, M2).
- Microprocessor can straighten, stabilize the output.
- Operations of Cutting, Coagulation and Bipolar Coagulation can be distinct from each other by sound and indication lamp.
- Each application mode (Cutting, Coagulation, Bipolar Coagulation) has a different sound, which enables you to easily distinguish an operation type.
- If the area between a patient and the pad is not appropriate, REM(Return Electrode Monitoring) gives the alarm with a warning sound and stop an operation of the product to prevent a burning incident.
- The level of alarm sound can be adjusted during an operation of application mode.
- The selected output ratio of Cut, Coagulation, and Bipolar Coagulation will displayed by reenergizing the device after power OFF.
- 99 storages are available by using user storage function.
- The input power frequency 50Hz / 60Hz is automatically detected.
- Standard output setting for Endo cut function : 60W (Cut 0.04sec, Coag. 0.8sec)

Safety Function

- ① A fuse built in a power circuit prevent an over current from flowing through the equipment.
- ② When the plate attached to the patient is separated from the equipment, the red alarm light begins flickering. Pressing the button of Twin Button Handle or the pedal of Cutting and Coagulation of Double Foot Switch will stop the alarm sound and the equipment.
- ③ REM (Return Electrode Monitoring) monitors the size of contacting area between a patient and the pad. If the size is inappropriate, it automatically blocks the high- frequency current to minimize the danger of burning incidents.
- ④ To protect a patient, the case is fully grounded so that a leakage current can flow into the earth.