

DOCTANZ TOUCH



DOCTANZ TOUCH Specification

Specification

Rated Voltage	AC120V or AC230V
Rated Frequency	50Hz or 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)	388mm × 410mm × 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.
Cut	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
Coagulation	Contact	120W / 200Ω	400kHz	3.3	40%	33KHz
	Spray	100W / 300Ω	400kHz	5.9	8.0%	33kHz
	Soft	80W / 100Ω	400kHz	1.4	100%	Continuous
	Argon Coag.	100W / 300Ω	400kHz	5.9	8.0%	33kHz
Bipolar Coagulation	Standard	100W / 100Ω	500kHz	1.3	100%	Continuous
	Auto Start	100W / 100Ω	500kHz	1.3	100%	Continuous
	Forced	80W / 100Ω	500kHz	2.7	30%	33KHz
Bipolar Cut	Cut	120W / 200Ω	500kHz	1.6	100%	Continuous
	Blend	100W / 200Ω	500kHz	2.2	65%	33KHz

Output Power

Mode		Output Power			Carrier Freq.
Cut	Papillotomy	Cut	150W	100Ω	400kHz
		Coagulation	30W		
	Polypectomy	Cut	150W		
		Coagulation	60W		

Standard Accessories



*Monopolar Connecting
Cable (CA08-01R)*



*Power Cord
(CA04-01R)*



*Double foot switch
(FS02-01R)*

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, Papillotomy, Polypectomy), Coagulation (Spray Coagulation, Contact Coagulation, Soft Coagulation, Argon 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.

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.

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ARGON-Z



ARGON-Z Specification

Rated Voltage	AC100V - AC240V
Rated Frequency	50Hz or 60Hz
Power Consumption	50VA +10%
Fuse	T0.5AL 250V
Protection class	Class 1, Type CF
Input Pressure	Min2.5bar(250kpa) ~ Max 4.5bar(450kpa)
Minimum purity of argon	99.998%
Argon gas flow, CUT	0.1 l/min ~ 9.9 l/min
Argon gas flow, COAG.	0.1 l/min ~ 9.9 l/min
Minimum cylinder pressure	200bar(200MPa)
Weight	6Kg
Size(W × D × H)	330mm × 380mm × 130mm
Using Environment	
Operation temperature	10℃ to 40℃
Storage temperature	10℃ to 40℃
Humidity	30% to 75% RH,
Operation altitude	700mbar ~ 1060mbar
Operation Cycle	10sec ON 30sec Idle

Standard Accessories



*Double foot switch
(FS02-02R)*



*Foot Switch Signal Cable
(CA05-01R)*



*Monopolar Cable
(CA06-01R)*



*Luer Lock Tube
(TB01-01R)*



*Reusable Flexible Argon
Probe Cable (CA07-02R)*



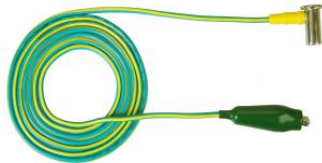
*Reusable Flexible Argon
Probe (AP01-02R)*



*Silicone patient plate
(PL02-01R)*



*Argon Cart
(CT01-02R)*



*Ground Cable
(CA03-01R)*



*Ground Cable
(CA03-02R) * 2*



*Power Cord
(CA04-01R)*



*Regulator
(RG01-01R)*



Optional Accessories



*Argon Electrode Handle
(HD03-01R)*



*Cylinder 5ℓ
(CL1-01R)*



Argon Cutting Electrode(177.5mm) (EL01-03R)



Argon Needle Electrode(177.5mm) (EL04-05R)



Argon Coagulation Electrode(368.5mm)(EL05-01R)

Feature

- Convenient LCD display on the front plate.
- Resection and coagulation by Argon Twin Button Handle
- Foot Switch is available for Cutting and Coagulating.
- Automatic adjustment of output (flow) by Microprocessor.
- 9 storages are available by using user storage function.
- Distinction of cut and coagulation on display

Advantage

- Even Coagulation by Contactless Coagulation
- Small Carbonization and almost none Sticking
- Fast hemostasis, when massive bleeding
- Easy and clean range of vision due to small smoke

Safety Function

- A fuse built in a power circuit prevent an over current from flowing through the equipment.
- Where there is no Gas, press the button of Argon Twin Button Handle or pedal of Foot Switch, and it shows warning, generates beep sound, and stops working.
- It earths the whole case and leak current which may flow through the patient, flow through the ground to protect the patient safely.

