

Electrosurgical Generator



Intelligent Device System:

The intuitive design and user-friendly set-up of the *Thor 400* Electrosurgical Generator (diathermy) for use in the modern operating room, it features both Monopolar and bipolar functions to satisfy all the surgeon's demands with safety, flexibility, reliability and convenience.

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 minimizes the danger of.

Multilanguage Available:

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

Application of Use:

General 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.

Memory Records Features:

Memory program that allows customize settings for different interventions and surgeons. Now total from 0~9 memories locations can be available for user-defined settings, which make *Thor 400* a versatile, indispensable companion in HF surgery.

Time Control Feature:

There is time control feature under bipolar coag modes. Time output rang from 0.1 to 2.0 seconds, which can be used for muchdelicatedsurgeries like Neurosurgeries and etc.

Two Pencils Work Simultaneously:

It can meet the special surgeries like Heart bypass operation and etc, which ensure two users can operate respectively .

Designed with patient plate continuity monitoring circuit, this can effectively prevent electrical burns topatients;

Versatile system that is uniquely compatible with other, including:

- Under water cut socket (Endo cut)
- HV argon coagulation system
- Optimum Smoke Evacuation System-Clean air in the operation theatre.

Technical Specification:

Main Frequency: 512 KHz
 Power Supply: 110V/60Hz ; 220V/50Hz

Weight and Dimension:

Weight: 8.00KG
 Dimension: 34*16*47

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		Maximum P-P Voltage	Rated Load (OHMS)	Max. output power	Crest Factor (Typical)
Monopolar Cut	Pure	1900	500Ω	400W	1.6
	Blend 1	2300	500Ω	300W	2.5
	Blend 2	2300	500Ω	300W	2.5
	Blend 3	2300	500Ω	300W	2.5
	Blend 4	2500	500Ω	200W	2.8
	Blend 5	2500	500Ω	200W	2.8
	Blend 6	2500	500Ω	200W	2.8
	Blend 7	2800	500Ω	150W	2.9
	Blend 8	2800	500Ω	150W	2.9
Monopolar Coag	Contact	3000	300Ω	150W	3.1
	Desiccation	3000	300Ω	150W	3.3
	Fulgurate	5500	500Ω	120W	5.7
	Spray	6000	500Ω	120W	6.1
Bipolar Cut	Pure	480	100Ω	99W	1.4
	Blend	550	100Ω	99W	1.4
Bipolar Coag	Precise	380	100Ω	50W	1.7
	Standard	590	100Ω	99W	1.7