



Intelligent Device System

The intuitive design and user-friendly set-up of the **HA400BT** Electrocautery 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.

PEM(Return Electrode Monitoring)

The PEM 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 burning incidents.



Saline Resection Mode

Saline Plasma Bipolar Cut & Coag with reusable Bipolar working element & loops.

Saline Plasma Bipolar Resection

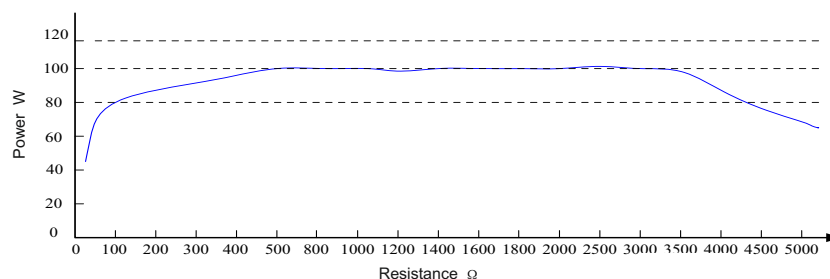
Bipolar TURP/TCRE/Hysteroscopy/Arthroscopic Surgery.

Memory Records Features

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

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.



Two pencils Work Simultaneously (Optional)

It can meet the special Surgeries like Heart Bypass operation which ensures two users can operate respectively without interference

Automatic Bipolar Start/Stop with Alarm (Optional)

Under Bipolar Cut & Coag modes, user can choose Pedal Control Or AutoStart Control

Compatible with Other Equipments:

Argon Plasma Coagulation System
Optimum Smoke Evacuation System

Wireless Footswitch Facility (Optional)

Wireless 3 Pedal Footswitch For Monopolar & Bipolar Modes.

Application of Use

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

Saline Plasma Bipolar Resection Applications:

Urology - Bipolar Saline Resection
Gynaecology - Bipolar Saline TCRE
Arthroscopy.

Technical Specification:

Operating Frequency : 480kHz
Power Supply: 100-240V / 50-60Hz

Weight and Dimension:

Weight: 5.00KG
Dimension: 380 x 305 x 115 mm

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	Max. output power	Crest Factor (Typical)	
Monopolar Cut / Saline Resection Cut	Saline Cut	1160	100Ω	300W	1.5
	Low Cut	1200	300Ω	300W	1.5
	Pure Cut	1400	300Ω	400W	1.5
	Blend Cut	2200	300Ω	200W	2.5
	Endo Cut	1700	300Ω	99W	1.5
Monopolar Coag / Saline Resection Coag	Saline Coag	500	100Ω	150W	1.5
	Spray	6000	500Ω	120W	8.0
	Fulgurate	4900	500Ω	120W	7.0
	Dessicate	4000	500Ω	150W	4.0
Bipolar	Micro	360	100Ω	80W	1.5
	Macro	670	100Ω	80W	1.5



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