



## Multi-function electrosurgical unit with genuine linear curve of output support, operation stability and memory functions

- » Seven current types are selected by pushing the mode-select switch
- » Outputs are precisely adjusted by up/down control
- » Cutting and coagulation controlled by foot or hand switch
- » Spray coagulation provides TransUrethral Resection (T.U.R) and Endoscopic procedures in urology
- » Three audible tones signal cutting and coagulation procedure
- » Interlocked multi monopolar outlets can be used for two hand control outlets and for one laparoscope outlet
- » Interlock safety circuit guarantees patient and operator safety, and prevents multiple outputs at the same time

### Patient Return Electrode Monitoring System

Protects patients from burns in the event of inadequate contact with the dual return plates. It is designed to deactivate the generator before an injury can occur. It also detects any dangerously high level of impedance at the patient/pad interface.

### Specifications

#### Monitor-Set Enable Range

- » Single Pad: Maximum 10 ohm
- » Double Pad: Minimum 10 ohm, Maximum 130 ohm

#### Alarm Range

- » Single Pad: Above 10 ohm
- » Double Pad: Below 10 ohm, Above 150 ohm

#### Low leakage of current

- » Low Frequency Leakage of Current: Less than 0.5mA
- » High Frequency Leakage of Current: Less than 150mA

**Technical Specifications**

Main and line frequency ..... 110 VAC (±10%) / 8.0A  
or 220VAC (±10%)/4.0A  
50 or 60 Hz

See the label on rear panel for correct information

Fuses ..... F5.0AL when Line 220V or F10.0AL when Line110V

Power Consumption ..... MAX. 950VA+10%

Protection Class ..... CLASS I, TYPE CF

IPX ..... Main Unit: IPX1, Foot switch: IPX8

Carrier Frequency ..... 400KHz, 500KHz (Sinusoid Wave)

Repeat Frequency ..... 25KHz, 33KHz (Square Wave)

Low Frequency Leakage Current ..... Less than EN60601-1  
[1990] Requirement

High Frequency Leakage Current ..... Less than EN60601-2-2  
[2001] Requirement

Operating Conditions ..... 10° C ~ 40° C, 30% ~ 85% RH,  
NON-CONDENSING  
700 mbar ~ 1060 mbar

Storage Conditions ..... 10° C ~ -60° C, 30% ~ 95% RH,  
NON-CONDENSING  
700 mbar ~ 1060 mbar

Transportation Conditions ..... 10° C ~ -60° C, 30%~95% RH,  
NON-CONDENSING  
700 mbar ~ 1060 mbar

Prior to shipment, the unit should be enclosed and sealed in a polybag and placed in original carton using original packing material. Do not drop the unit higher than 50cm. Don't use a hook.

Mounting Restriction ..... 5cm clearance required on each side of unit for cooling

Cooling ..... By two inner fans

Duty Cycle ..... 10 Sec On; 30 Sec Idle

Dimensions (H x W x D) ..... 165mm x 382mm x 513mm

Weight ..... 21.0kg

APG ..... Not AP/APG device  
Equipment not suitable for use in the presence of a flammable anesthetic mixture with oxygen or nitrous oxide

Operating Modes and Output parameters			TOLERANCE: ± 20 %
Mode	Output POWER	Carrier Freq. (KHz)	Repeat Freq. (KHz)
Pure	400 W at 400 ohm	400 KHz	Continuous
Blend 1	230 W at 300 ohm	400 KHz	33
Blend 2	180 W at 300 ohm	400 KHz	33
Blend 3	120 W at 300 ohm	400 KHz	33
Contact coagulation	100 W at 300 ohm	400 KHz	33
Spray coagulation	80 W at 500 ohm	400 KHz	33
Standard Bi-polar Coagulation	80 W at 100 ohm	500 KHz	Continuous
Soft Bi-polar Coagulation	50 W at 100 ohm	500 KHz	25

All parameters listed can change without notice