AMETOM 820

AMETOM 820 is a high frequency electrosurgical generator with a field of application in all specialties of surgery and microsurgery. The indication and selection of modes and power are through a color touchscreen display.

Open for communication in "smart" operating room (SmartOR).

- Gynecology ●●●
- General surgery ●●●
- Urology ●●○
- Gastroenterology ●●●
- Neurosurgery ●●●
- Laparoscopic surgery ●●●
- ENT ●●●
- Endoscopy ●●●
- Orthopedics ●●●

- **Two monopolar multifunctional outputs for standard- Valleylab and Martin/Berchtold plugs.**
- **Activation via electrode handle and footswitch (two monopolar outputs and two footswitch inputs).**

Monopolar cutting

- Pure Cut
- Blend Cut
- Polypectomy
- URO Cut

Monopolar Coagulation

- Soft Coagulation
- Force Coagulation
- Spray Coagulation

- **Bipolar output for standard- Valeylab and Martin/Berchtold plugs**
- **Activation via footswitch (two inputs) and an option for automatic start via bipolar forceps**

Bipolar coagulation

- Bipolar Forceps Coagulation
- Bipolar Uro Cut
- Blood Vessel Sealing *
- Bipolar Blend Cut
- Auto Stop – automatic power turn off on completion of the coagulation process

Technical data

Mains connection

Power supply	100-260 Vac, 50-60 Hz
Power consumption – max.	456 VA (100Vac, PF=1,0); 410 VA (230Vac, PF=0,99)
Loading ratio	Interval 10 s/30 s (activation/pause)
Mains fuses	2 x T 6,3 A (inert)

Interface

PC	USB Galvanucally separated

HF outputs and types of currents

Nominal frequency	500kHz	
Voltage form	- Non modulated, sine wave - Modulated with 33kHz, sine wave	
Crest factor (the ratio between amplitude voltage to effective voltage)	1,41 ÷ 5,7 depending on the mode	
Maximal HF voltage	3950 Vss (peak to peak)	
	387 Veff (effective)	
Maximal HF power	Monopolar CUT	300W/500Ω
	Monopolar COAG	150W/500Ω
	Bipolar coagulation	120W/100Ω

Safety

Classification according to EU 93/42/EWG	II b
Type of construction according to	EN 60601-1
Safety class	I
Type	CF
Earthing	Yes
Connection of neutral electrode	Floating output
Monitoring for incorrect power dosage in the patient circuit and preventive HF generator switch off	Yes
Fail-safe monitoring and automatic HF power switch off	Yes

Dimensions and weight

Length x width x height 380 x 370 x 165 mm
Weight 8.8 kg