

AMETOM HRF100

AMETOM HRF100 redefines surgical results thanks to 4.0 MHz radio wave technologies. The high frequency of 4.0 MHz minimizes temperature dissipation and thus does not damage the cells in the vicinity. Clinical benefits include reduction of post-operative discomfort, minimization of necrosis, maximization of histological specimen retention, improvement of the healing process with excellent aesthetic results.


AMETOM HRF100 is the most user-friendly electrosurgical device suitable for ambulant and clinical application. The maximum output power is 100W, both in monopolar and bipolar operation. The indication and selection of the modes and the output power values are through a color touchscreen display.



- Gynecology ●●○
- Proctology ●●●
- ENT ●●●
- Maxillo facial surgery ●●●
- Dermatology ●●●
- Neurosurgery ●●○
- Ophthalmology ●●●
- Plastic surgery ●●●
- Spinal surgery ●●●
- Veterinary Medicine ●●○

- Monopolar multifunctional output 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

Monopolar Coagulation

-  Soft Coag
-  Force Coag

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

Bipolar Cutting

-  Forceps coagulation
-  Forceps coagulation, autostart through the tissue

Technical data

Mains connection

Power supply	100-260 Vac, 50-60 Hz
Power consumption – max.	160 VA (100Vac, PF=1,0); 150 VA (230Vac, PF=0,99)
Loading ratio	Interval 10 s/30 s (activation/pause)
Mains fuses	2 6p. T 3,15 A (Inert)

HF outputs and types of currents

Nominal frequency	4000kHz
Voltage form	- Non modulated, sine wave - Modulated with 33kHz, sine wave
Crest factor (the ratio between amplitude voltage to effective voltage)	1,41 ÷ 3,2 depending on the mode
Maximal HF voltage	1280 V _{ss} (peak to peak) 200 V _{eff} (effective)
Maximal HF power	Monopolar cutting 100W/400Ω Monopolar coagulation 100W/400Ω Bipolar coagulation 100W/50Ω

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 145 mm

Weight: 8,5 kg