

AMETOM 300

The AMETOM300 electro-surgical device is a modern device that combines economy and a high degree of operational flexibility. AMETOM 300 is used in all specialties of surgery and microsurgery.

Features:

- a dedicated vessel sealing function.
- Maximum output power 300W.
- Multi-color touchscreen display.
- Compatible with "smart" operating room (SmartOR).



- Urology
- General surgery
- Gastroenterology
- Neurosurgery
- Abdominal surgery
- Gynecology
- ENT
- Laparoscopy
- Vascular surgery
- Pediatric surgery
- Plastic surgery
- Dermatology



- Two Monopolar multifunctional outputs for standard - Valeylab and Martin/Berchtold plugs.
- Activation via electrode handle and footswitch.

Monopolar cut

-  Pure Cut
-  Blend Cut
-  Polypectomy
-  Monopolar TUR Cut

Monopolar Coag

-  Soft Coagulation
-  Forced Coagulation
-  Spray Coagulation
-  Monopolar TUR Coag

- Two Bipolar outputs for standard- Valeylab and Martin/Berchtold plugs
- Activation via the two electrode handles or via footswitch.
- Option for automatic start via bipolar forceps.

Bipolar cut

-  Bipolar Blend Cut
-  Bipolar TUR Cut

Bipolar Coag

-  Bipolar Coagulation
-  Bipolar TUR Coag
-  Vessel Sealing
-  Bipolar Forceps AUTO Start

- Four footswitch inputs to activate the corresponding output.

Technical data

 <p>Mains connection</p>	Power supply	100-260 Vac, 50-60 Hz
	Power consumption - max. – макс.	420 VA (100Vac, PF=1,0); 390 VA (230Vac, PF=0,99)
	Loading ratio	Interval 10 s/30 s (activation/pause)
	Mains fuses	2 x T 6,3 A (inert)

 <p>Interface</p>	PC	Galvanically isolated USB
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 <p>HF-outputs</p>	Nominal frequency	500kHz
	HF-Voltage form	- Non modulated, sine wave - modulated with 33kHz, sine wave
	Crest factor (the ratio between amplitude voltage to effective voltage)	1,41 - 5,0 depending on the mode
	Maximal HF voltage	3470 V _{ss} (peak to peak) 346 V _{eff} (effective)

 <p>Types current</p>	Maximal power	
	Monopolar cut	300W/500Ω
	Monopolar coagulation	160W/500Ω
	Bipolar cut	230W/100Ω
	Bipolar coagulation	160W/100Ω

 <p>Safety</p>	Classification acc. EC- 93/42 EEC	II b
	Type of construction acc.	EN 60601; IEC 60601
	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

 <p>Dimensions and weight</p>	Length x width x height	370 x 370 x 165 mm
	Weight	8,5 kg