

SMT BM MPF



The most powerful digital HF/RF Electrosurgery System - controlled by Microprocessor -

SMT BM



150W 200W 250W 300W 350W 400W

PF

The newest SMT HF/RF generators are the most modern electrosurgical systems of their kind. With their built-in hardware and software, they offer a wider possibility of clinical use in all medical branches, where ELECTROSURGERY has already been established. The power of bipolar modes Cut, Coagulation, and Blend reaches 340 Watts now! SMT BM M PF is not limited by working time.

10 main features

- 1. 3 years of warranty and free of charge service.
- 2. Programmable 12 programs, exchangeable by the user.
- 3. New operation mode "SAL" for operation in Saline.
- 4. Special mode very easy switching between monopolar and bipolar mode by foot switch and /or by handpiece.
- 5. Double foot switch easy switching between cut and coagulation.
- 6. Continuous operation without necessity of waiting for cooling down of the control unit.
- 7. Reliable and continuous checking of the neutral electrode.
- 8. Automatic control of all sections and data evaluation 150 times per second.
- 9. Low weight and dimensions and easy hygiene.
- 10. Compatibility with the instrumentation of the most of the global manufacturers.



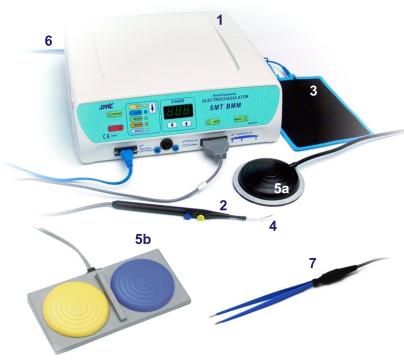


Technical characteristics

The rate and versatility of the software of the SMT BM M PF systems allow to use these oper ng ways Electrosection, Electrocoagulation, Desiccation, Fulguration, Blend, Microcoagulation - mono/bipo.

| SMT BM M | M ini | M inor | M edia | M egan | M ajor | M axim |
|------------------------------|---|---|---|--|---|---|
| Power max | 150 W | 200 W | 250 W | 300 W | 350 W | 400 W |
| | 220-230 V / 50-60 Hz 110 V / 60 Hz | 220-230 V / 50-60 Hz 110 V / 60 Hz | 220-230 V / 50-60 Hz 110 V / 60 Hz | 220-230 V / 50-60 Hz 110 V / 60 Hz | 220-230 V / 50-60 Hz 110 V / 60 Hz | 220-230 V / 50-60 Hz 110 V / 60 Hz |
| Working frequency | 460 kHz | 460 kHz | 460 kHz | 460 kHz | 460 kHz | 460 kHz |
| Dimensions | 330x320x100mm | 330»)x100mm | 330x320x100mm | 330x320x100mm | 330x320x100mm | 330x320x100mm |
| Weight | 5,70 kg | 5,70 kg | 5,70 kg | 5,70 kg | 5,70 kg | 5,70 kg |
| Single foot switch | • | • | • | • | • | • |
| Double foot switch | • | • | • | • | • | • |
| Hand switch | • | • | • | • | • | • |
| Modes | mono / bipo | mono / bipo | mono / bipo | mono / bipo | mono / bipo | mono / bipo |
| Function Special | • | • | • | • | • | • |
| Basic access. MONO | • | • | • | • | • | • |
| Basic access. BIPO | • | • | • | • | • | • |
| Working outputs | CUT COAG 1, 2, 3 BLEND MICRO SPRAY | CUT COAG 1, 2, 3 BLEND MICRO SPRAY | CUT COAG 1, 2, 3 BLEND MICRO SPRAY | CUT COAG 1, 2, 3 BLEND MICRO SPRAY | CUT COAG 1, 2, 3 BLEND MICRO SPRAY | CUT COAG 1, 2, 3 BLEND MICRO SPRAY |
| ВІРО | CUT (+ SALINE) COAG 1, 2, 3 BLEND MICRO SPRAY | CUT (+ SALINE) COAG 1, 2, 3 BLEND MICRO SPRAY | CUT (+ SALINE) COAG 1, 2, 3 BLEND MICRO SPRAY | CUT (+ SALINE) COAG 1, 2, 3 BLEND MICRO SPRAY | CUT (+ SALINE) COAG 1, 2, 3 BLEND MICRO SPRAY | CUT (+ SALINE) COAG 1, 2, 3 BLEND MICRO SPRAY |
| Operating tools mono | 6 pieces | 6 pieces | 6 pieces | 6 pieces | 6 pieces | 6 pieces |
| Patient-neutral electrode | silicone | silicone | silicone | silicone | silicone | silicone |

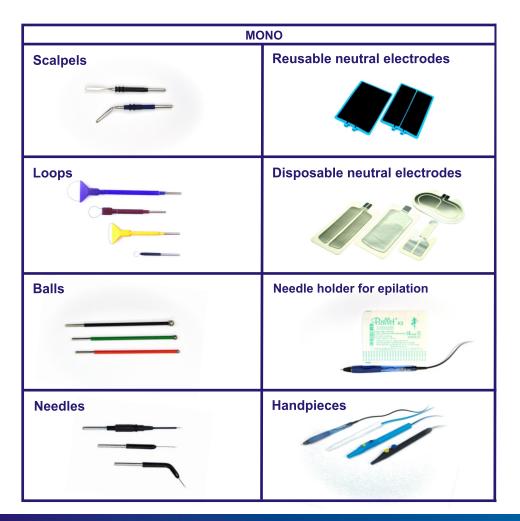
Basic Equipment of SMT BM M PF Systems



- 1. Electrosurgical unit with digital display
- 2. Handpiece CUT/COAG (applicator)
- 3. Patient neutral electrode (silicone and/or 10 disposable ones) + cable
- 4. Six operating tools
- 5a. Single foot switch (pneumatic)
- 5b. Double foot switch (pneumatic)
- 6. Power cord
- 7. Bipolar set: Bipolar Forceps + cable

Monopolar and Bipolar Accessories

Special Medical Technology offers wide range of Monopolar and Bipolar accessories, as mentioned below:





www.smt-praha.com

SMT BM M PF

SMT BM M PF is a new digital line of Radiofrequency - Highfrequency Electrosurgery systems - made in the Czech Republic, Europe with CE mark and ISO certification.

The device provides maximum technical characteristics with minimal dimensions and weight which fulfill all clinical requirements, including endoscopic procedures in Saline. HF/RF generator is directed by a built-in microprocessor which controls the whole system and checks it 150 times per second. This ensures maximal safety of each patient.

SMT BM M PF is suitable for all types of surgical operations in open surgery and endoscopy. It can use MONOPOLAR and/or BIPOLAR mode with seven working outputs (Cut, Coagulation ...) for each mode. Now, bipolar mode can be upgraded for one extra additional output SAL, which is made for operation under the water (in Saline) such as TURIS, TCRIS etc.

Monopolar outputs CUT and COAGULATION can be controlled by hand switch on the ESU Pencil or by pneumatic double footswitch. The other mono functions plus all bipo functions are controlled by pneumatic single foot switch, including monopolar CUT and COAG.

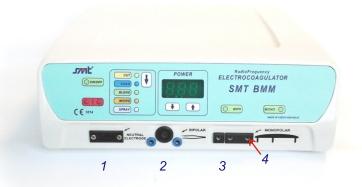
The power in Watts is indicated at the digital display and it's automatically kept on the preselected rate, despite the changing impedance of the patient. The preset power is same even if the unit is switched OFF and ON.

All active electrodes (6 pieces of monopolar tools and bipolar forceps) which are part of the basic accessories can be sterilized. Manufacturer recommends autoclave, temperature 121°C for 20 minutes. Monopolar tools have a fixative diameter 2, 4 mm.

BM M Trolley SMT PF



BM M PF Front panel



- 1 Patient neutral electrode
- 2 Bipolar output coaxial or two bananas plug
- 3 Monopolar output for hand switch (3pin)
- 4 Monopolar output for one banana cable

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