Electrosurgery

KLS Martin ME MB 2

SAFETY BY EASY USE

KLS martin GROUP

KLS Martin Electrosurgical Unit ME MB 2 m

Simple. Perfect.

① Display

Power adjustment under visual control

② High patient safety thanks to the Patient Control System

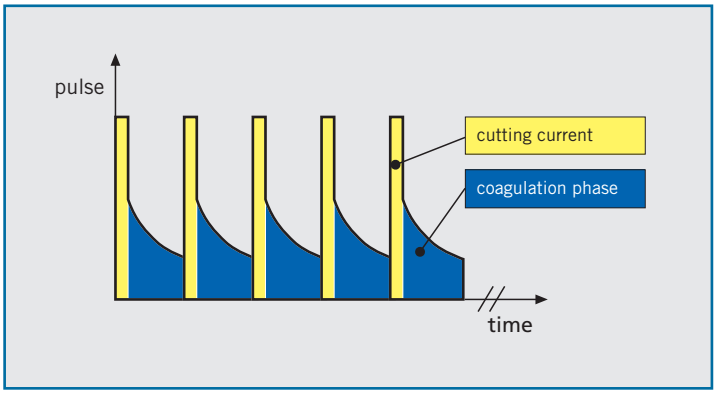
The integrated KLS Martin Patient Control System (PCS) ensures that no burns can be caused on the patient's skin. The system automatically adjusts to given tissue impedances; it is also able to recognize single and twin-pad neutral electrodes. So if such a neutral electrode with dual contact surfaces has been connected, the system ME MB 2 m permanently monitors the proper application of the electrode. Whenever the electrode happens to be in insufficient contact with the patient's skin, the user is alerted to this fact by means of an optical signal. The power is cut off.

③ Functional test

Whenever the unit is switched on, the KLS Martin ME MB 2 performs a self-test. If a fault is detected, no OK signal is emitted and HF power output is blocked immediately. This ensures that the KLS Martin ME MB 2 can be used only when it is in perfect working order and thus fully reliable. Any accessories connected are also checked for proper functioning during the self-test.

④ Endo-mode

Time-controlled cutting mode enabling a fractionated and thus controlled cut for special applications, e. g. endoscopic papillotomy and endoscopic polypectomy.



⑤ Connector for monopolar hand switches

The unit ME MB 2 m incorporates a connector that allows connection of monopolar hand switches equipped with either a large KLS Martin coaxial connector or a US 3-pin connector. KLS Martin's HF range of accessories provides an extensive selection of handles for various applications.

Types of current provided by the KLS Martin ME MB 2 Endo

Monopolar cutting 1 (pure)
Cutting current allowing smooth, scab-free cuts

Monopolar cutting 2 (blend)
Cutting current allowing a smooth cut with little scab-formation

Endo-Mode
Time-controlled cutting mode

Monopolar contact coagulation
Coagulation current with deep-reaching effects; electrode in direct contact with the tissue. Particularly suitable in TUR.

Monopolar spray coagulation
for surface coagulation (fulguration). This type of current is particularly suitable for hemostatic purposes when performing TUR with small-surface electrodes (e.g. loop-type electrodes).

Bipolar coagulation
for a broad range of applications

⑥ Progressive power control

In the lower range, the power can be adjusted with high precision thanks to the unit's progressive (non-linear) output characteristic. This function is very helpful, for example, for stopping microvascular hemorrhages. In the upper range, the power can be adjusted on a linear basis. Due to its high power reserve, the unit is universally applicable.

⑦ Monopolar cutting and coagulation by means of the foot switch

In the case of the KLS Martin ME MB 2, this button allows monopolar cutting and coagulation by using both, hand and foot switch.

⑧ Bipolar coagulating with foot switch

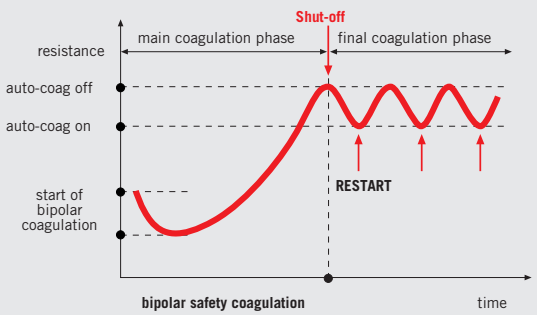
The power range of the KLS Martin ME MB 2 is rounded off by the "Bipolar coagulation" option. KLS Martin's reliable bipolar coagulation function combines utmost precision with maximum safety that is also guaranteed when coagulating large volumes.

⑨ Multifunction connector for bipolar instruments

Bipolar active electrode socket combined for the small coax-plug (KLS Martin standard) or international accessories.

⑩ Multifunction connector for bipolar instruments

Connector socket for bipolar coagulation with ON/OFF automatic function for manual operation. As soon as the electrodes touch the tissue, the HF current is activated automatically. Pulsed final coagulation phase leads to a maximum coagulation result.



KLS Martin Electrosurgical Unit ME MB 2 i

International.

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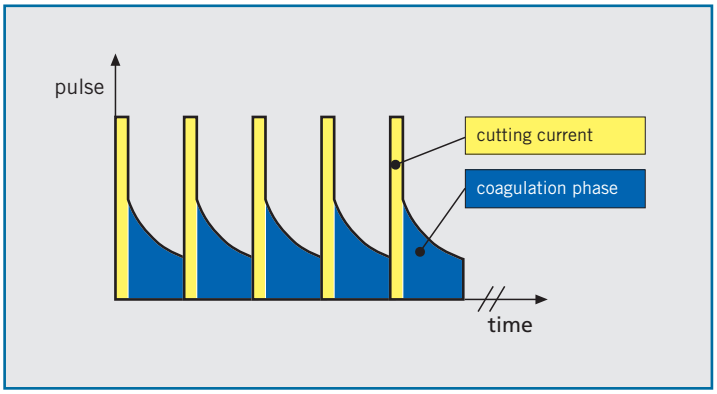

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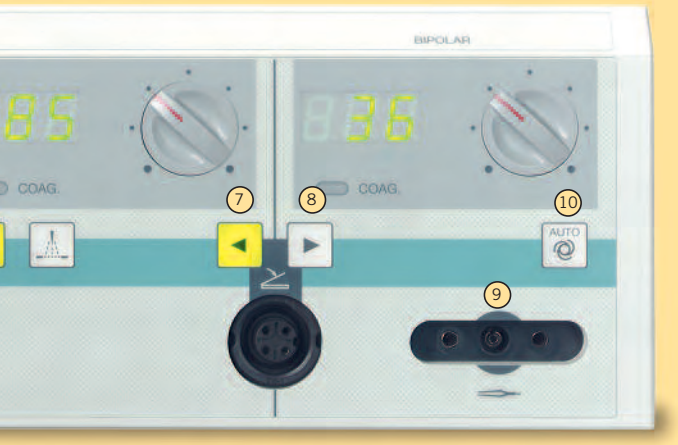

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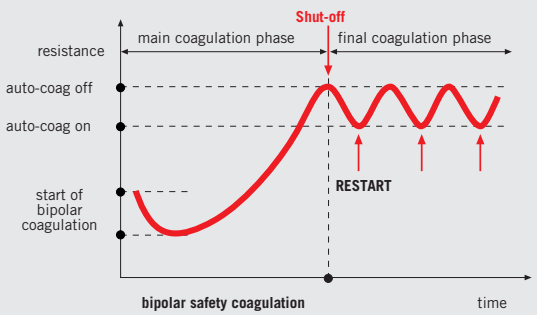

MABS – KLS Martin Argon Beamer System

Using the KLS ME MB 2 in conjunction with the Argon Beamer MB 181 opens up a whole new range of applications in open as well as endoscopic surgery.

With this coagulation technique, the HF current is applied to the tissue in a non-contact procedure using ionized argon gas. The advantages of this approach include:

- fast and effective coagulation of extended hemorrhages
- tissue-friendly procedure with little blood loss
- coagulation with little carbonization
- low coagulation depth
- fast wound healing

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