



## **MD** 62

The compact electrocautery unit  
built to high safety standards

## MD 62

### The compact electrosurgical unit built to high safety standards

The KLS Martin MD 62 is an electrosurgical unit for use in dentistry. Additional fields of application include dermatology and minor cosmetic surgery.



#### KLS Martin MD 62

HF surgery is considered a safe and proven method in dentistry. With its special features and accessories and matching output power, KLS Martin's MD 62 electrosurgical unit meets all requirements in this field.

Thanks to its small dimensions, the unit is very easy to handle, providing maximum flexibility in use.

#### The KLS Martin MD 62 has the following main features:

- Two different types of current, one for cutting and one for coagulation.
- To account for the special conditions and requirements associated with dental, oral and maxillomandibular applications, the high-frequency current can be activated in two different ways. In hand switch mode, the HF current is activated via a finger-operated switch located on the handle. In foot switch mode, a handle without a pushbutton is used and the HF current is activated via a foot switch.
- An optional foot switch is available for use with a handle without pushbutton.
- The powerful electrosurgical unit is supplemented by a wide range of high-quality electrodes and accessories.

**tin** MD 62



CUT



COAG



### Safe and Easy Operation

All functions available are clearly marked by symbols on the front panel. The unit features an analog rotary switch for safe and easy power setting. The two types of current can be activated – at the user's option – either via a foot switch or a handle featuring a pushbutton.

All connector jacks are marked unambiguously for correct use.

### Safety in Use

The KLS Martin MD 62 has been designed to meet the high demands of surgical users.

The device carries the CE mark according to the directive 93/42/EEC of 14.06.1993 of medical devices.

Due to the monoterminale technique, no neutral electrode is needed. This spares the patient the inconvenience caused by NE attachment.

### Performance Characteristics

The user has two types of current available: one for cutting and one for coagulation. These currents have been matched to the tissue-specific impedances involved and are fully compatible with the monoterminale mode of operation.

This powerful electrosurgical device provides the high technical quality, reliability and safety medical specialists require in daily practice.

### Hygiene Made Easy

The housing is made of high-quality, coated sheet steel. This reliably prevents oxidation caused by disinfectants.

As neither cooling slots nor fans are required for safe operation, no liquids such as cleaning or disinfecting solutions can penetrate into the unit.



### Wide Range of High-Quality Accessories

Handles specially optimized for use in the oral cavity plus a comprehensive range of active electrodes guarantee the unit's usefulness and reliability in daily practice.

Selected accessories have been combined into a practical set.

### Application examples from dentistry:

- gingivoplasty/gingivectomy
- dentitis difficilis
- hemostasis by using HF current (electrocoagulation)
- biopsy
- tumor resection/coagulation
- root canal sterilization
- mucosal surgery (removal of abscesses, overgrowth, fibromas)
- lengthening of tooth crowns or abutment teeth that are too short for bridge support
- surgical treatment of abnormal labial or lingual frenula
- desensitization of bare dental necks



| Technical Data              |   |
|-----------------------------|---|
| Mains voltage/ power supply | 230 V, 50 Hz                              |
| Class of protection         | I   |
| Medical device class        | II b MDD<br>(acc. to Directive 93/42/EEC) |
| Type of equipment           | BF  |
| Rated frequency             | 1000 kHz                                  |
| Pulse frequency             | 500 kHz                                   |
| LF/HF leakage currents      | as per IEC 60601-1, IEC 60601-2-2         |
|                             |   |
|                             |   |
|                             |   |
|                             |   |

| Technical Data             |   |
|----------------------------|---|
| HF output power:           |   |
| <b>Cutting</b> current     | 50 W at 600 Ohm   |
| <b>Coagulation</b> current | 30 W at 1200 Ohm  |
| Weight                     | 2.8 kg  |
| Dimensions                 | 78 mm (H)<br>200 mm (W)<br>185 mm (D)                                     |
| CE marking                 | conform with 93/42/EEC  |
|                            |   |
| Ordering Information       |   |
| 80-006-02-04               | KLS Martin MD 62 electrocautery unit with power cord, without accessories |

| Ordering Information |  |
|----------------------|--|
| 80-107-00-04         | Accessory set for MD 62 for hand switch operation, consisting of:                          |
| 80-214-13-04         | smartPen electrode handle with one pushbutton, for 1.6-mm electrodes, with KLS Martin plug |
| 80-444-08-01         | Electrode box for 8 dental electrodes  |
| 80-461-01-04         | Needle electrode Ø 0.2 mm, straight, Fig. 1  |
| 80-461-02-04         | Needle electrode Ø 0.2 mm, 45° angled, Fig. 2  |
| 80-461-12-04         | Wire loop electrode Ø 5.0 mm, Fig. 12  |
| 80-461-14-04         | Wire loop electrode, rhombic, 8.0 x 5.0 mm, Fig. 14  |
| 80-461-15-04         | Wire loop electrode, elongated, 7.0 x 1.5 mm, shaft 45° angled, Fig. 15                    |
| 80-461-31-04         | Needle electrode for coagulation, Ø 0.6 mm, 45° angled, Fig. 31                            |
| 80-461-34-04         | Ball electrode Ø 3.0 mm, 45° angled, Fig. 34   |
| 80-310-04-04         | Hand cylinder – Grounding aid  |
| 80-505-00-04         | Cleaning pad for electrodes, sterile packed, SU = 100/pack                                 |

| Ordering Information |   |
|----------------------|---|
| 80-106-01-04         | Accessory set for MD 62 for foot switch operation, consisting of:                         |
| 80-214-12-04         | smartPen electrode handle without pushbutton, for 1.6-mm electrodes, with KLS Martin plug |
| 80-444-08-01         | Electrode box for 8 dental electrodes   |
| 80-461-01-04         | Needle electrode Ø 0.2 mm, straight, Fig. 1   |
| 80-461-02-04         | Needle electrode Ø 0.2 mm, 45° angled, Fig. 2   |
| 80-461-12-04         | Wire loop electrode Ø 5.0 mm, Fig. 12   |
| 80-461-14-04         | Wire loop electrode, rhombic, 8.0 x 5.0 mm, Fig. 14                                       |
| 80-461-15-04         | Wire Loop electrode, elongated, 7.0 x 1.5 mm, shaft 45° angled, Fig. 15                   |
| 80-461-31-04         | Needle electrode for coagulation, Ø 0.6 mm, 45° angled, Fig. 31                           |
| 80-461-34-04         | Ball electrode Ø 3.0 mm, 45° angled, Fig. 34  |
| 80-812-10-04         | Single-pedal foot switch, pneumatic, with connection tube of 3 m                          |
| 80-310-04-04         | Hand cylinder – Grounding aid   |
| 80-505-00-04         | Cleaning pad for electrodes, sterile packed, SU = 100/pack                                |

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