

Dentistry, Dermatology



### *KLS Martin MD 62*

THE COMPACT ELECTROSURGICAL UNIT  
BUILT TO HIGH SAFETY STANDARDS

**KLS** martin  
GROUP

HF surgery in perfection

## KLS Martin MD 62 Electrosurgical Unit

*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.



### 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 unit bears the CE-mark in compliance with Council Directive 93/42/EEC of 14 June 1993 concerning medical devices.

Due to the monopolar 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 monopolar mode of operation.

This powerful electrocautery 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

## Specifications and ordering data KLS Martin MD 62



### Specifications KLS Martin MD 62

Mains voltage/ power supply	110-120 V, 50-60 Hz 220-240 V, 50-60 Hz
Class of protection	I
Medical device class	II b MDD (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 601, Part 2-2
HF output power:	
CUTTING current	50 W at 600 ohms
COAGULATION current	30 W at 1200 ohms
Weight	2.8 kg
Dimensions	78 mm (H) 200 mm (W) 185 mm (D)
CE marking	conform with 93/42/EEC

### Ordering Information

80-006-02-04	KLS Martin MD 62 electrosurgical unit with power cord, without accessories
80-107-00-04	Set of accessories for hand switch operation, comprising:
80-214-11-04	Handle with finger switch, connection cable 3 m
80-444-08-04	Electrode stand for 8 dental electrodes
80-461-01-04	Needle electrode 0.2 mm, straight, Fig. 1
80-461-02-04	Needle electrode, 45° angled, Fig. 2
80-461-12-04	Wire loop electrode, Ø 5 mm, Fig. 12
80-461-14-04	Wire loop electrode, rhombic, 8 x 5 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, 45° angled, Ø 3.0 mm, Fig. 34
80-106-01-04	Set of accessories for foot switch operation, comprising:
80-214-10-04	Handle without finger switch, connection cable 3 m
80-444-08-04	Electrode stand for 8 dental electrodes
80-461-01-04	Needle electrode 0.2 mm, straight, Fig. 1
80-461-02-04	Needle electrode, 45° angled, Fig. 2
80-461-12-04	Wire loop electrode, Ø 5 mm, Fig. 12
80-461-14-04	Wire loop electrode, rhombic, 8 x 5 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, 45° angled, Ø 3.0 mm, Fig. 34
80-812-10-04	Foot switch

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