

Electrosurgery



Minicutter HF Surgical Unit

THE NEW COMPACT CLASS FOR MONOPOLAR
AND BIPOLAR HF APPLICATIONS

KLS martin
GROUP

Exemplary in performance and economy

Minicutter HF surgical unit

The new compact class for monopolar and bipolar HF applications

For more than three decades, the name of Martin has been known for innovative ideas in electrosurgery.

The demands of our customers have always been our main guide and motivation along the way – and this is not going to change. While aspects such as user-friendliness and safety are clearly all-important, we routinely give attention to the financial or “value-for-money” side as well. The result are highly efficient products that satisfy user expectations in every respect. Our Minicutter high-frequency surgical unit is an excellent example in case.

The all-rounder

With an output power of 80 watts in monopolar and 70 watts in bipolar mode, the Minicutter is simply ideal for outpatient departments and private surgeries. Thanks to its wide application range covering general surgery, dermatology, gynecology, ENT and cosmetic surgery, the Minicutter is a true all-rounder for use in hospitals and private practices alike.





The Minicutter's main advantages at a glance:

- Compact yet powerful HF surgical unit offering two cutting and three coagulation currents that are universally applicable across many different medical fields.
- Powerful bipolar part for a wide range of bipolar HF instruments.
- Uncomplicated and safe handling. Sound, extremely dependable design based on the highest quality standards.
- Fast and convenient operation thanks to rotary switch and user-friendly membrane keypad.
- High patient safety due to overdosage protection and neutral electrode monitoring. When using a split neutral electrode, the Minicutter provides constant NE monitoring for increased safety.

Safety with system

Minicutter HF surgical unit

As a universal electrosurgical unit, the Minicutter covers a wide range of applications, thereby satisfying the needs of private surgeries as well as those of clinical users. The appropriate type of current can be conveniently selected by a mere touch of the button. Besides, the straightforward control panel guarantees a constant and perfect overview of all treatment parameters.



Unrivalled ergonomics and operating convenience

Sometimes, users select the Minicutter simply for its pleasing appearance. But first-rate design necessarily translates into ergonomic handling as well. The Minicutter gives you both – ergonomic use in daily practice plus an excellent overview of all functions and settings, thanks to the straightforward, self-explanatory control panel. This allows you to concentrate fully on your job.

The handy rotary switch ensures convenient output power setting or adjustment. As experience shows, no other type of regulator could do the dosing job better or faster.

Cleaning is easy as well. You just wipe over the unit to disinfect it. This shows that Martin always aims to maximize user benefit – down to the last detail!

Lots of features for maximum safety

Of course, power output is immediately blocked whenever the neutral-electrode circuit is interrupted. This is accompanied by an optical and acoustic signal alerting the user to the problem. In like manner, the Minicutter reliably prevents uncontrolled power output in the event of internal faults, thanks to its advanced overdosage protective circuit.

The optional use of split neutral electrodes offers increased patient safety because the NE is constantly monitored in this case.

The highest quality standards also apply to the unit's comprehensive range of accessories, from plain surgical handles to complex bipolar HF instruments. In fact, there is no other way to combine operating convenience, application safety and durability into a package that really works – as you would expect from Martin.



MONOPOLAR CUT

The optimal program for use in daily practice

Thanks to its “intelligent” control system, the Minicutter dynamically adjusts output power to varying cutting speeds, tissue impedances and cutting electrodes. This guarantees optimal cutting results while fast and safe working is ensured at the same time. The desired coagulation degree can simply be selected by using one of two different cutting currents.

The CUT 1 mode gives you a smooth, pure cut with almost no eschar formation. CUT 2, in turn, is associated with some eschar formation (so-called “blend cut”), which means stronger hemostasis. HF power activation is optionally possible by hand switch or foot-switch.

MONOPOLAR COAG

The best solution for a wide range of applications

When selecting the CONTACT COAG mode, the unit’s control system automatically minimizes electrode encrustation. Less tissue adhesion not only means faster and more targeted working, but increases the accessories’ life as well. The rotary switch enables easy and precise power regulation, giving the surgeon full control over the extent and speed of the coagulation process. As a result, the tissue is treated as gently as possible, which in turn speeds up the postoperative wound healing process.

The SPRAY COAG mode is an ideal supplement allowing nearly or fully contact-free application of the HF current. Due to its special coagulation properties, this mode is simply perfect for treating parenchymatous, diffusely bleeding tissue.

BIPOLAR COAG

Versatility and safety in perfection

The bipolar surgical technique represents an extra-safe mode of HF current application because no neutral electrode is required. In fact, the HF current flow is limited to the immediate surgical site – i.e. the tissue located between the two poles of the bipolar instrument. This enables targeted hemostasis such as blood vessel coagulation with bipolar forceps.

Needless to say, the Minicutter is compatible with the latest and most advanced HF instruments used in minimally invasive surgery (e.g. for targeted gynecologic or laparoscopic interventions).

High-quality and safe accessories

KLS Martin offers you a wide range of HF instruments for a multitude of electrosurgical interventions. Of course, top quality and safety of use are number one priorities and consequently guaranteed. We recommend you to start out with our tried-and-tested sets of accessories.



80-108-03 Accessory set for Minicutter, large, for hand switch operation, consisting of:

80-217-01	1	Handle with one pushbutton, 4-m cable
80-332-03	1	Rubber neutral electrode, 8 x 16 cm, 4-m cable
80-370-50	2	Rubber band, perforated, 50 cm
80-371-01	2	Button for rubber band
80-408-00	1	Electrode box w. insert for 8 electrodes
80-510-04	1	Lancet electrode, straight
80-515-04	1	Knife electrode
80-520-04	1	Needle electrode
80-525-04	1	Dozen needle electrodes, extra fine
80-532-00	1	Adapter for needle electrodes
80-540-04	1	Wire loop electrode, Ø 5 mm
80-542-04	1	Wire loop electrode, Ø 10 mm
80-560-04	1	Ball electrode, Ø 2 mm
80-562-04	1	Ball electrode, Ø 4 mm

80-108-04 Accessory set for Minicutter, large, for footswitch operation, consisting of:

80-220-00	1	Handle without pushbutton, 4-m cable
80-332-03	1	Rubber neutral electrode, 8 x 16 cm, 4-m cable
80-370-50	2	Rubber band, perforated, 50 cm
80-371-01	2	Button for rubber band
80-408-00	1	Electrode box w. insert for 8 electrodes
80-510-04	1	Lancet electrode, straight
80-515-04	1	Knife electrode
80-520-04	1	Needle electrode
80-525-04	1	Dozen needle electrodes, extra fine
80-532-00	1	Adapter for needle electrodes
80-540-04	1	Wire loop electrode, Ø 5 mm
80-542-04	1	Wire loop electrode, Ø 10 mm
80-560-04	1	Ball electrode, Ø 2 mm
80-562-04	1	Ball electrode, Ø 4 mm
80-811-50	1	Single-pedal footswitch, explosion-proof/ anesthetic-proof (AP), 5-m cable



*Our Accessories Catalog contains KLS Martin's entire range of electrocautery instruments. Just contact us to get your personal copy!
(90-767-08)*

80-108-05 Accessory set for Minicutter, small, for hand switch operation, consisting of:

80-217-01	1	Handle with one pushbutton, 4-m cable
80-332-03	1	Rubber neutral electrode, 8 x 16 cm, 4-m cable
80-372-00	1	Textile band with Velcro strap, 90 cm
80-511-04	1	Lancet electrode, angled
80-515-04	1	Knife electrode
80-520-04	1	Needle electrode
80-562-04	1	Ball electrode, Ø 4 mm

Additional accessories

80-925-16	1	Bipolar forceps, 16 cm, curved
80-287-33	1	Connecting cable for bipolar forceps
80-344-02	1	Disposable neutral electrode for adults, without connecting cable (SU: pack of ten)
80-344-06	1	PCS disposable neutral electrode for adults, split, without connecting cable (SU: pack of ten)
80-294-40	1	Connecting cable for disposable neutral electrode

Ordering data

80-008-03	Minicutter, ready for use, with power cord, without accessories
-----------	---

Technical data

HF outputs:			
CUT 1	pure cut, unmodulated	80 W	300 Ω
CUT 2	blend cut, modulated	70 W	300 Ω
CONTACT COAG	contact	70 W	200 Ω
SPRAY COAG	spray	60 W	400 Ω
BIPOLAR COAG	bipolar	70 W	50 Ω
Nominal frequencies	1230/920/460 kHz		
Modulation frequency	77/58 kHz		
Supply voltage	100–127 / 220–240 V, 50/60 Hz		
Type (of applied part)	BF; defibrillation-proof		
Protection class	I (DIN EN 60601-1)		
Device class	IIb (acc. to MDD/Med. Dev. Act)		
Dimensions	270 x 120 x 250 mm (W x H x D)		
Weight	3.7 kg		
Quality assurance acc. to DIN EN ISO 9001 / 13485 CE 0297			

Gebrüder Martin GmbH & Co. KG

Ludwigstaler Str. 132 · D-78532 Tuttlingen

Postfach 60 · D-78501 Tuttlingen

Tel. +49 7461 706-0 · Fax +49 7461 706-193

info@klsmartin.com · www.martin-med.com