

erbe
power your performance.



VIO® S

Electrosurgical system for use in clinics
or specialist surgical ORs

VIO[®] 300 S and VIO[®] 200 S:

Electrosurgery tailored to perfection.

With the VIO electrosurgical system, Erbe has set innovative standards aimed at providing optimum surgical support for almost any discipline as well as including a range of additional indications.

Erbe VIO 300 S and 200 S generator modules offer automatic power adjustment for all control technologies:

- ✔ Voltage control for gentle, reproducible cutting and coagulation
- ✔ Arc control for high-energy cutting or coagulation and for cutting under water
- ✔ Power control to maintain constant power levels during coagulation and devitalization

TAILORED PRECISELY TO YOUR NEEDS – BOTH IN TERMS OF HARDWARE AND SOFTWARE

- ✔ Automatic power adjustment
- ✔ New and enhanced CUT and COAG functions, monopolar and bipolar
- ✔ Can be configured for custom setups based on the specific discipline, indication or procedure
- ✔ Simple, interactive and safe operation
- ✔ The VIO S models – the master control units for other modules in the VIO electrosurgical system, for example argon plasma coagulation, smoke plume evacuation, the endoscopy irrigation pump, and other components



Versatile operating and safety concept that offers complete convenience.

Simple operating concept

The operational design of the VIO 300 S enables fast, direct access to the program parameters. Using the up / down buttons, power values and effects can be easily and directly adjusted.

Consistent enhancement: the NESSY patient plate safety system

With the NESSY safety concept and the Erbe patient plate NESSY Ω , VIO sets new standards with regard to the safety of monopolar electrosurgery.

Preselectable effect settings

For consistent surgical results with reproducible tissue effects.



For use in clinic ORs or specialist surgical ORs

	VIO 300 S	VIO 200 S
Gynecology	■	-
Urology	■	-
General surgery	■	-
Gastroenterology / Endoscopy	■	■
Pulmonology	■	■
ENT	■	-
Orthopedics	■	-
Dermatology	-	■
OMS	■	-
Ophthalmology	-	■

Legend:

- strongly recommended
- recommended

CUT

Precise cutting using these modes.



01



03



04



06



07



02



05

HIGH CUT 01

Suitable for cutting inside fatty structures or under water (e.g. TUR). Strong hemostasis at the incision edges. Control of arc intensity.

AUTO CUT 02

Standard mode for cutting with minimum necrosis and reproducible cutting quality.

ARGON AUTO CUT 03

Mode for argon-supported cutting. Minimum carbonization, minimum smoke plume development. Results in a good post-operative healing process.

ENDO CUT I 04

Fractionated cutting mode for papillotomy or other needle / wire applications in endoscopy.

ENDO CUT Q 05

For endoscopic polypectomy with a snare. Fractionated cutting and coagulation cycles.

DRY CUT 06

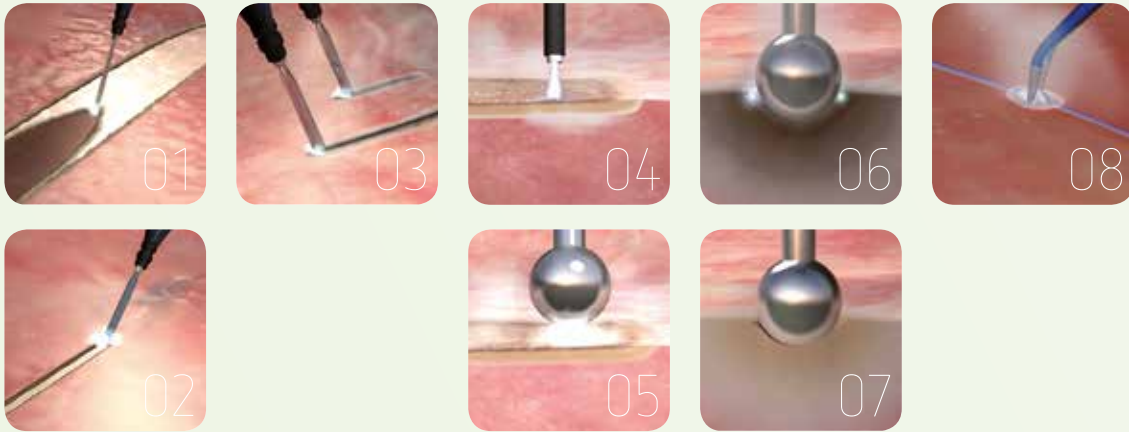
Cutting mode with pronounced hemostasis as a result of voltage control and modulated forms of current.

BIPOLAR CUT 07

Bipolar cutting with all the advantages provided by voltage regulation in 8 predetermined cutting qualities. The cutting current is only present at the distal end of the applicator. This ensures more safety and guarantees precise cuts.

COAG

Modes for exact coagulation and devitalization.



CLASSIC COAG**01**

Exposure mode for visceral and cardiac surgery. Exact, layer-specific exposure and dissection. Minimum carbonization of the incision edges.

SWIFT COAG**02**

Effective and fast coagulation with pronounced hemostasis that is also suitable for exposure.

TWIN COAG**03**

For simultaneous activation of two instruments with only one electrosurgical unit – consistent power output.

FORCED APC**04**

Covers the entire spectrum of all types of non-contact APC coagulation. For hemostasis during endoscopy or open surgery or for surface coagulation and devitalization.

SPRAY COAG**05**

Non-contact and efficient surface coagulation with low thermal penetration. Suitable for tissue devitalization or for stopping diffuse bleeding. Extensive carbonization effects.

FORCED COAG**06**

Fast and effective standard coagulation with moderate thermal penetration. Slight carbonization effects.

SOFT COAG**07**

Gentle coagulation with deep penetration, without carbonization, resulting in minimum adhesion of the electrode. Supported by the power control.

BIPOLAR SOFT COAG**08**

Bipolar coagulation. The low voltages used in this mode prevent the instrument from sticking and distinctly reduce tissue carbonization. Effective – with a subtle adjustment of 8 different effects.

These modes and upgrades are available with the VIO 300 S and VIO 200 S models

CUT Modes

	VIO 300 S	VIO 200 S
AUTO CUT	■	■
HIGH CUT	○	-
DRY CUT	○	-
DRY CUT°	○	-
BIPOLAR CUT	○	-
ENDO CUT Q	□	□
ENDO CUT I	□	□
ARGON AUTO CUT	■	■
ARGON HIGH CUT	○	-
ARGON DRY CUT	○	-
ARGON DRY CUT°	○	-

COAG Modes

	VIO 300 S	VIO 200 S
SOFT COAG	○	■
SWIFT COAG	○	-
SWIFT COAG°	○	-
CLASSIC COAG	■	
FORCED COAG	○	■
SPRAY COAG	■	-
BIPOLAR SOFT COAG	■	■
TWIN COAG	□	-
FORCED APC	■	■
ARGON SOFT COAG	○	■
ARGON SWIFT COAG	○	-
ARGON SWIFT COAG°	○	-
ARGON FORCED COAG	○	■
ARGON TWIN COAG	□	-

Legend:

- included
- depending on the version
- only available ex works (must be ordered)

FOR PERFECT CUTTING

- ✔ Newly-developed electrosurgical monopolar and bipolar CUT modes
- ✔ Power adjustment as a result of Erbe voltage control, for reproducible cutting
- ✔ Power adjustment as a result of Erbe arc control, for reproducible, efficient cutting in high-impedance tissue
- ✔ Additional area of application from microsurgery through to power-intensive vaporization
- ✔ Cutting results largely independent of cutting speed, shape of the electrode and tissue
- ✔ Bipolar cutting for more safety
- ✔ Power Peak System for optimum cutting behavior

FOR PERFECT COAGULATION

- ✔ Newly-developed electrosurgical COAG effects
- ✔ Power adjustment as a result of voltage control, for reproducible coagulation with optimally adjusted power output
- ✔ Power control for fast „non-stick“ coagulation without carbonization
- ✔ Monopolar and bipolar coagulation for all your requirements
- ✔ AUTO-START and AUTO-STOP functions
- ✔ TWIN COAG: simultaneous activation of two electrodes / instruments for exposure

Technical data

VIO 300 S and VIO 200 S

Power output

Maximum cut power (VIO 300 S)	300 watts at 500 Ohm (with PPS, briefly 400 watts)
Maximum cut power (VIO 200 S)	200 watts at 500 Ohm
Maximum COAG power	up to 200 watts
NE safety system	NESSY
Frequency	350 kHz

Power connection

Line voltage	100 V – 120 V / 220 V – 240 V ± 10 %
Power frequency	50 / 60 Hz
Line current	max. 8 A / 4 A
Power consumption in standby mode	40 watts
Power consumption at max. HF power	500 watts / 920 VA
Potential equalization connection	Yes
Power fuse	T 8 A / T 4 A
Dimensions	Width x Height x Depth 410 x 160 x 370 mm
Weight	9.5 kg



8/4 mm,
bipolar
No. 20140-610



2Pin-22 mm,
bipolar
No. 20140-612



2Pin-22-28-8/4 mm,
bipolar
No. 20140-613



VIO 300 S **VIO 200 S**
No. 10140-300 No. 10140-400



9/5 mm,
monopolar
No. 20140-620



3Pin-Bovie,
monopolar
No. 20140-622



3Pin-9/5 mm,
monopolar
No. 20140-623



6 mm
patient plate
No. 20140-640



2Pin
patient plate
No. 20140-641



6 mm-2Pin
patient plate
No. 20140-642



Markkinoija Suomessa



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