



**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**

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

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- 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.



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## HIGH CUT 01

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

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## AUTO CUT 02

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

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## ARGON AUTO CUT 03

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

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## ENDO CUT I 04

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

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## ENDO CUT Q 05

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

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## DRY CUT 06

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

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## BIPOLAR CUT 07

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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.



01



03



04



06



08



02



05



07

### 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 165 x 380 mm
Weight	8.8 kg



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



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



3Pin-Bovie,  
monopolar  
No. 20140-622



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



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



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