



VIO® D

The electrosurgical system for surgical
and endoscopic procedures

VIO® 300 D and VIO® 200 D:

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 D and 200 D 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

- ✔ Can generally be fitted flexibly with socket modules and functions
- ✔ All the latest electrosurgical control technologies in a single unit – with automatic power adjustment
- ✔ New and enhanced CUT and COAG functions
- ✔ Can be configured for custom setups based on the relevant discipline, indication or procedure
- ✔ Plug & play: plug in the instrument, start working
- ✔ ReMode function: remote control using the handle or footswitch „right from the operating table“
- ✔ The VIO® D range – 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
- ✔ VIO® 300 D – the master module for vessel sealing with BiClamp and BiCision



Versatile operating and safety concept that offers complete convenience.

PreView function on the display

When setting the parameters, changes to the CUT and COAG symbols in the user interface already indicate how the setting is likely to affect tissue on application.

Activating ReMode from the operating table

With its modern ReMode activation concept, Erbe has developed a "remote control" for even greater operating convenience. Using the VIO® footswitch or VIO® handle, surgeons can alternate independently between preselected instrument settings – without a second user.

Vessel sealing

With VIO® 300 D, BiClamp mode optimizes vessel sealing in open surgery and in laparoscopic procedures in urology and gynecology, and in general and visceral surgery.

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.



For use in clinic ORs or specialist surgical ORs

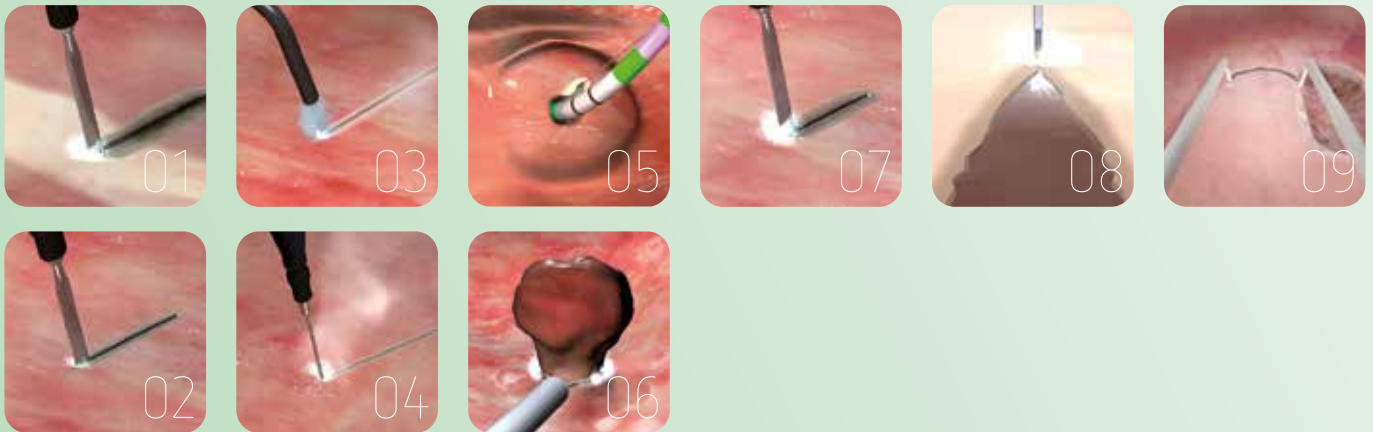
	VIO® 300 D	VIO® 200 D
Gynecology	■	-
Urology	■	-
General surgery	■	-
Gastroenterology / Endoscopy	▣	■
Pulmonology	▣	■
ENT	■	-
Orthopedics	■	-
Dermatology	■	-
OMS	■	▣
Ophthalmology	-	-

Legend:

- strongly recommended
- ▣ recommended

CUT

Precise cutting using these modes.



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.

PRECISE CUT 04

For very fine cutting with precise power adjustment in effect levels. For example, in microsurgery with very fine cutting instruments.

ENDO CUT I 05

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

ENDO CUT Q 06

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

DRY CUT 07

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

BIPOLAR PRECISE CUT 08

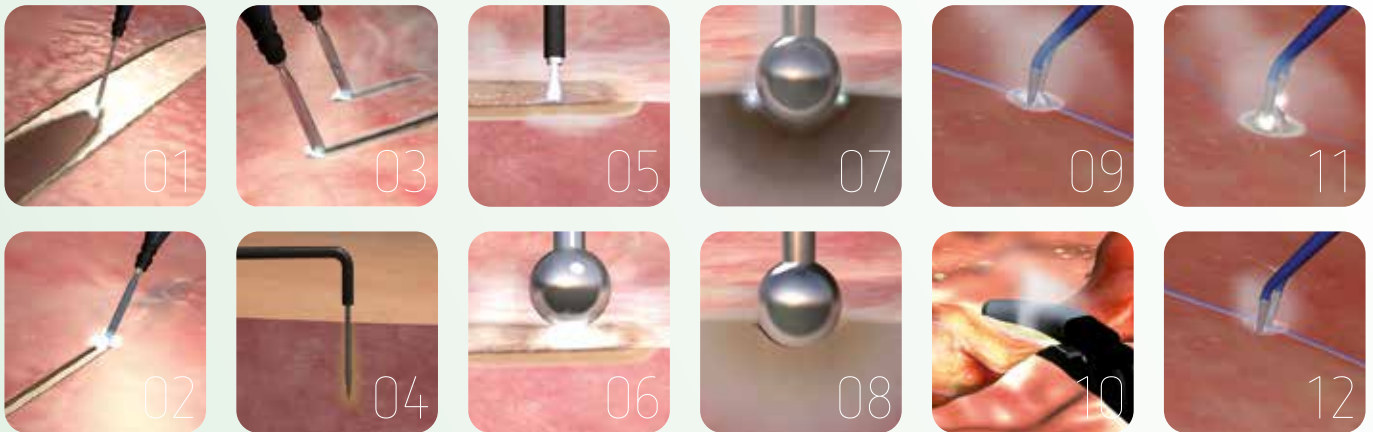
For exposure and dissection of very fine structures, for example in microsurgery.

BIPOLAR CUT | BIPOLAR CUT+/++ 09

For resection of the prostate, bladder or uterus. Fast arc generation, immediate cutting. Homogeneous, controlled arc generation with low application of energy.

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.

PRECISE COAG 04

For microsurgical coagulation in the lower power range. Precise power settings and effects.

FORCED APC, PULSED APC, PRECISE APC 05

cover 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 06

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

FORCED COAG 07

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

SOFT COAG 08

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

BIPOLAR SOFT COAG BIPOLAR SOFT COAG+/++ 09

Mode for safe coagulation during bipolar resection in saline solution as well as for forceps coagulation.

BICLAMP 10

Supports Erbe BiClamp by providing current for optimum sealing of vessels and tissue structures.

BIPOLAR FORCED COAG 11

Fast, effective, bipolar standard coagulation with moderate hemostasis.

BIPOLAR PRECISE COAG 12

For the exposure and coagulation of very fine structures, for example in microsurgery.

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

CUT mode

	VIO® 300 D	VIO® 200 D
AUTO CUT	■	■
HIGH CUT	■	–
DRY CUT	■	▣
DRY CUT°	■	–
BIPOLAR CUT	■	■
BIPOLAR CUT +	■	–
BIPOLAR CUT ++	■	–
PRECISE CUT	▣	▣
BIPOLAR PRECISE CUT	▣	▣
ENDO CUT Q	▣	▣
ENDO CUT I	▣	▣
ARGON AUTO CUT	■	■
ARGON HIGH CUT	■	–
ARGON DRY CUT	■	▣
ARGON DRY CUT°	■	–

Legend:

- included
- ▣ supports UPGRADE

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

COAG mode

	VIO® 300 D	VIO® 200 D
SOFT COAG	■	■
SWIFT COAG	■	■
SWIFT COAG°	■	–
CLASSIC COAG	■	–
FORCED COAG	■	■
SPRAY COAG	■	–
BIPOLAR SOFT COAG	■	■
BIPOLAR SOFT COAG +	■	–
BIPOLAR SOFT COAG ++	■	–
BIPOLAR FORCED COAG	■	■
PRECISE COAG	▣	▣
BIPOLAR PRECISE COAG	▣	▣
TWIN COAG	▣	–
BICLAMP	▣	–
FORCED APC	■	■
PRECISE APC	■	■
PULSED APC	■	■
ARGON SOFT COAG	■	■
ARGON SWIFT COAG	■	■
ARGON SWIFT COAG°	■	–
ARGON FORCED COAG	■	■
ARGON TWIN COAG	▣	–

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 D and VIO® 200 D

Power output

Maximum cut power (VIO® 300 D)	300 watts at 500 Ohm (with PPS, briefly 400 watts)
Maximum cut power (VIO® 200 D)	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 × 165 × 380 mm
Weight	9.5 kg



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



VIO® 300 D **VIO® 200 D**
No. 10140-100 No. 10140-200



3Pin-Bovie,
monopolar
No. 20140-622



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



Multifunction
No. 20140-630
(VIO® 300 D only)



Multifunction
No. 20140-633
(VIO® 300 D only)



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



SEE MORE INFORMATION ON
PRODUCTFINDER.ERBE-MED.COM

Important information

The information, recommendations and other details contained in this medium ("information") reflect our state of knowledge and the state of the art in science and technology at the time the medium was created. The information is of a general nature, non-binding and intended solely for general information purposes; it does not constitute instructions for use.

The information and recommendations contained in this medium do not create any legal obligations on the part of Erbe Elektromedizin GmbH and its affiliated companies ("Erbe") or any other claims against Erbe. The information does not constitute any guarantees or other information on the nature of the product; such information requires an express contractual agreement with Erbe in each individual case.

Erbe is not liable for any kind of damage resulting from following the information on this medium, regardless of any legal grounds for liability.

Every user of an Erbe product is responsible for testing the respective Erbe product in advance with regard to its properties and its suitability for the intended type of use or purpose. Suitable type of use of the respective Erbe product can be found in the instructions for use for the respective Erbe product. The user is obliged to ascertain whether the instructions for use available to him/her correspond to the current status of the specific Erbe product. Devices may only be used in accordance with the instructions for use.

Information on settings, application sites, application duration and use of the respective Erbe product is based on the clinical experience of individual centers, physicians and clinical literature independent of Erbe as well as post market surveillance and empirical evidence. They constitute reference values, or Experienced Starting Settings, which must be checked by the user to ensure that they are suitable for the specifically planned application. Depending on the circumstances of a specific application, it may be necessary to deviate from the information provided. The user is responsible for checking this when using Erbe products. We wish to note that science and technology are subject to constant development as a result of research and clinical experience. Similarly, medicine and clinical application are constantly evolving as a result of research and technological development. This may also make it necessary for the user to deviate from the information provided on this medium.

This medium contains information about Erbe products that may not be approved/cleared in certain countries. The user of the respective Erbe product is obliged to inform himself/herself as to whether the Erbe product he/she is using is legally approved/cleared in his/her country and/or to what extent, if any, there are legal requirements for or restrictions on its use.

This medium is not intended for use in the USA.

Erbe Elektromedizin GmbH
Waldhoernlestrasse 17
72072 Tuebingen
Germany

Phone +49 7071 755-0
info@erbe-med.com
erbe-med.com
medical-videos.com