ENDOSCOPY

erbe
power your performance.

HIGH-PERFORMANCE WORKFLOWS

COMPLEXITY SIMPLIFIED

FAMILIARITY

FUTURE-PROOF PLATFORM

VIO® 3n

Tailored to sync with you

Level up with Erbe

Discover the latest additions to our VIO® 3 family of electrosurgical generators, designed to sync with your clinical workflows. Choose from three devices, each tailored to your clinical challenges.

VIO® 3n - Tailored to sync with you

Future-proof platform

Updates & upgrades keep you at the forefront of treatment options.

- **Future-proofed:** the system allows for future software updates and/or upgrades to provide continuous improvements and access to the latest performance and clinical applications.
- **VIO® 3n has the right mode for various applications and clinical specialties:** it supports monopolar and bipolar techniques, as well as proprietary Erbe hybrid technology.
- **High level of reliability:** ensured by our after-sales services such as maintenance and service training.

Complexity simplified

Streamlined control via preselected modes and an intuitive user interface with stepGUIDE.

- **Preprogrammed experienced starting settings:** for use in various clinical applications with the intent of requiring fewer setting adjustments or modifications.
- **Multilingual stepGUIDE:** provides enhanced, user-friendly operation with a logical and intuitive interface customized for clinical application.
- **Improved system notifications:** supports clinical and non-clinical staff during setup and applications.
- **Plug and operate:** digital instrument recognition technology automatically configures the system to predefined settings and instrument-specific parameters for selected instruments.

Familiarity

Seamlessly fits into your existing workflow and instrument portfolio.

- **CUT and COAG modes established by VIO® 3:** offering more precision with incremental effect settings to fine-tune target tissue effects. The modes are optimized for the latest hardware on VIO® 3n.
- **Individual settings:** can be saved in a program structure with up to 1500 storage positions.
- **Versatile sockets:** allow the use of most standard instruments.

High-performance workflows

Safety systems for optimal patient treatment.

- **NESSY® System:** provides an enhanced safety profile through dynamic, patient-specific neutral electrode monitoring of patient impedance levels and neutral electrode orientation.
- **Precise control:** proprietary software algorithms and state-of-the-art microprocessor technology measure the target tissue more than 25,000,000 times per second.
- **Power Peak System, PPS:** offers optimal support during the initial cutting stage, especially in low contact impedance situations, allowing the electrode to start in contact with target tissue without cutting delay.

Which configuration fits your clinical needs?

All three configurations support your procedures with the known endoCUT® Q & I modes as well as pre-selected CUT, COAG and dissection modes tailored to your specialty.

VIO® 3n Fire and VIO® 3n Metal also enable non-contact argon plasma coagulation for advanced bleeding management.

VIO® 3n Stone

Designed for day-to-day, routine GI interventions

- Compatible with a wide range of **standard instruments**
- Compact design makes it suitable for **outpatient settings**
- **Compatible with, for example:** EIP 2

VIO® 3n Metal

Designed for advanced GI and pulmonology procedures

- Offers all features included in Stone
- Perfect combination with **FiAPC®** probes and the full range of renowned Erbe **argon plasma modes**
- Coagulation and tissue-separating with **swiftCOAG**
- **Compatible with, for example:** APC 3, ERBEJET® 2, ERBECRYO® 2, EIP 2

VIO® 3n Fire

Designed for GI and pulmonology procedures at the highest level

- Offers all features included in Metal & Stone
- Precise and controlled cutting, even underwater with **endoCUT® U**
- Tissue-selective dissection for exposure of sensitive structures with **preciseSECT**
- Perfect combination with proprietary Erbe hybrid instruments such as **HYBRIDknife® flex** and **MOVIVA®**
- **Compatible with, for example:** APC 3, ERBEJET® 2, ERBECRYO® 2, EIP 2

Compatible instruments

Many of our standard instruments are compatible with the new VIO® 3n configurations. Here's a curated selection.

MOVIVA®

HYBRIDknife® flex

FiAPC®

Polypectomy snare

Compatible submodules and accessories

VIO® 3 foot switch

APC 3

EIP 2

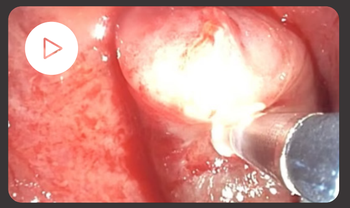
curated selection

erbe

Ride the Erbe wave

Watch our application videos to see the tissue effects of our high-performance modes in action.

Tissue ablation for metal stent ingrowth with APC 3 using FiAPC® probe 2200A in forcedAPC mode



Central airway snaring using endoCUT® Q and cryoextraction of the resected tumor

WATCH MORE APPLICATION VIDEOS NOW

Dive deep with underwater EMR and our new mode endoCUT® U

Developed for "underwater" applications, this mode enables fast and reliable incisions, provides a reliable, reproducible and homogenious hemostatic effect, and allows precise control of the cut.

- endoCUT® U features an improved initial cutting phase for incisions "under water" and is optimized for low-impedance environments, e.g. in saline solution. The mode ensures visibility under liquid while providing appropriate hemostasis and reliable cutting.
- The fractionated, voltage-controlled cutting mode allows adjustment of the hemostasis effect as well as the tempo of the cut and coagulation rhythm and the sharpness of the cut.

MORE INFORMATION ON OUR WEBSITE

Available modes

Modes	VIO® 3n Fire	VIO® 3n Metal	VIO® 3n Stone
autoCUT	X	X	X
autoCUT bipolar	X	X	X
highCUT	X		
dryCUT	X		
endoCUT I	X	X	X
endoCUT Q	X	X	X
endoCUT U	X		
softCOAG	X	X	X
softCOAG bipolar	X	X	X
forcedCOAG	X	X	X
swiftCOAG	X	X	
sprayCOAG	X		
preciseSECT	X		
twinCOAG	X		
forcedAPC	X	X	
preciseAPC	X	X	
pulsedAPC	X	X	
moveAPD	X		
senseAPD	X		
autoCUT argon	X		
highCUT argon	X		
dryCUT argon	X		
swiftCOAG argon	X		
preciseSECT argon	X		
twinCOAG argon	X		

Technical specifications

Power connection	
Rated supply voltage	100 V - 240 V AC ± 10%
Rated supply frequency	50 Hz/60 Hz
Line current (averaged)	100 - 120 V AC: 4.9 A 220 - 240 V AC: 2.1 A
Power input in standby mode	100 - 120 V AC: < 19 W 220 - 240 V AC: < 19 W
Power input with max. HF output	100 - 120 V AC: < 455 W 220 - 240 V AC: < 455 W
Terminal for grounding (potential equalization)	Yes
Power fuses	F 6.3 A H / 250 V AC

Operating mode	
Discontinuous operation	Duty cycle 10 s ON / 30 s OFF

Ethernet	
Ethernet	RJ45 1 Gbit (deactivated by default)

Programs	
Number of programs	1500 max.

Dimensions and weight	
Width × height × depth	410 × 165 × 381 mm
Weight	8 kg
Display size	10.1 inch

Ambient conditions for transport and storage	
Temperature	-29°C to +60°C
Relative humidity	15 - 85%

Ambient conditions for operation	
Temperature	+10°C to +40°C
Relative humidity	15 - 85%, non-condensing
Air pressure	54 - 106 kPa
Maximum operating altitude	5000 m above sea level

Standards	
Classification according to Regulation (EU) 2017/745	II b
Protection class as per EN 60 601-1	I
Type as per EN 60 601-1	Defibrillation-proof type CF applied part
IP code	IP2X

Gastroenterology workstation
VIO® 3n Fire, APC 3, ERBEJET® 2 and EIP 2 on SystemCarrier performance

HOW TO SETUP VIO® 3N

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