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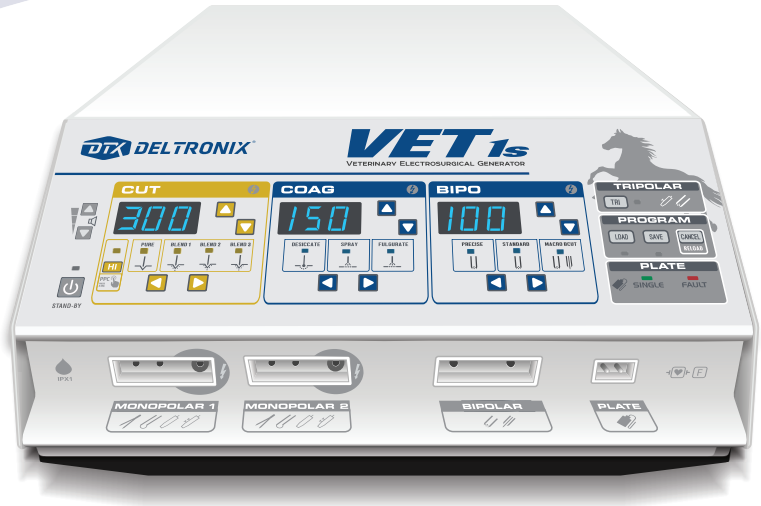
HIGH FREQUENCY SURGICAL UNIT

VET 1s

VETERINARY ELECTROSURGICAL GENERATOR

CERTIFIED COMPANY NBR ISO 13485:2016

CERTIFIED COMPANY GMP



Backlight Output Connectors

- Easy to understand and control panel, with modern and waterproof design
- 03 independent and simultaneous digital displays for the output power of cut, coagulation and bipolar mode.

Monopolar Mode.

- 12 functions of cut (normal and delicate)
- 6 functions of coagulation
- Low mode for delicate tissues and High for fatty tissues, both for pure cut, as well as for blends
- Module with PPC® function (pulsed cutting and coagulation for laparoscopy and endoscopy procedures)
- 2 Independent dual control footswitch

Bipolar Mode.

- Precise or micro bipolar mode (with auto-stop function)
- Standard mode (With auto-stop function)
- Macro bipolar mode
- Cut bipolar mode (Bcut®)
- Independent bipolar footswitch

exclusive Tripolar function (Monopolar + Bipolar):

- **FPA** (Feedback Power Adjustment®) – Automatic power output adjustment matching tissue resistance
- **CVM** Consistency verification mechanism.
- **RMPF** System - (Redundant Mechanism for Protection in Case of CPU failure)

Memory up to 120 editable and non-volatile procedures. Allows programming of adjusted power output values through non-volatile storage.
The RELOAD function recover the last adjustment power values, if the equipment has been turned off suddenly, in case of momentary lack of electricity (Auto Back-up).

Output power adjustment can be set through equipment's control panel or by remote control through dual command handpiece or by the dual command footswitch, for cutting, coagulation and bipolar functions.

The audible indication of the function in use, with different tones for cutting, coagulation and bipolar.

Two independent monopolar connections for dual control handpiece /or simple handpiece and /or homeostatic clamp, and /or resection handles, which allow the two surgeons works at same time.

- Three independent connections in the front panel, two monopolar and one bipolar, with the IPX7 degree of protection.
- Automatic self check-up with information through error code in front panel display.
- The audio adjustment for function in use on the front panel.
- Stand-by function .
- Natural convection ventilation or through an internal cooler.
- Retractable carrying handle. Also used for fixing the equipment in the transport unit UT-102.

Compatibility with Argon Plasma Coagulator

- Connections compatible with argon gas plasma coagulator any model or brand, with three monopolar connection pins (Universal Connector).

Stand-by Function

- For use in situation that require momentary interruption of the surgical procedure.

Using two handpieces simultaneously

- Allows two simultaneous and independent works by two surgeons using dual control handpiece or with footswitch command.

FPA (Feedback Power Adjustment)

- Automatic power compensation in accordance with the change in tissue resistance, keeping constant output power at all time.

Backlight Output Connectors

- Backlight connectors for better view, especially in video laparoscopy surgeries, where it is necessary to reduce lighting in the surgery room.

Reload Function

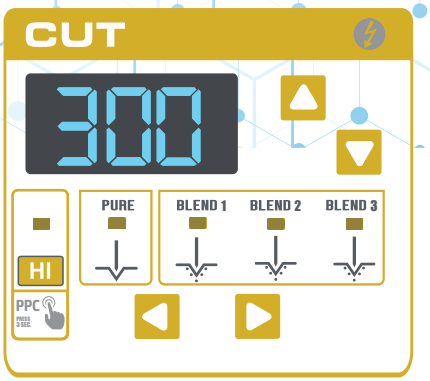
- All output power set in any function used are immediately stored, easing the return of the set power in case of electric energy failure.

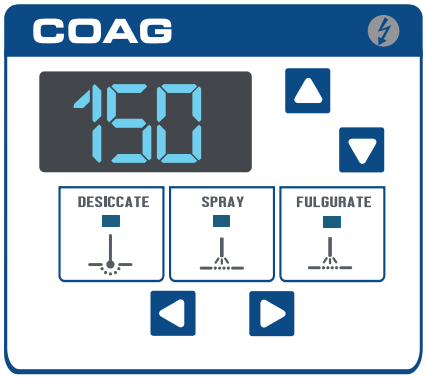
Remote Setup Function

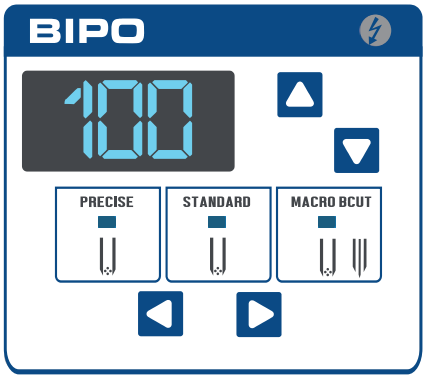
- Triggering the adjustment of cutting, coagulation and bipolar power by remote and automatic system.

High Frequency Electrosurgical Generator

The VET 1S electrosurgical generator use the latest generation of microprocessors, designed for all kind of surgeries, from low, medium and high complexity.
Cut and coagulate in wet field (in water) possibility of the endoscopic resection.
For the medical team convenience, in the coagulation process to allowing the independent and simultaneous work of two surgeons, using dual or single command handpiece. Independent and insulation bipolar output, has been appropriate to all kind of surgeries, especially in microsurgery and neurosurgery.







Cut mode
12 cutting modes

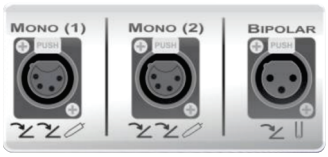
PPC® function
Pulsed Polypectomy (Pulsed Cutting and Coagulation) for polypectomy procedures among others.
This mode is a new way to use the CUT function and COAG function in endoscopic techniques, with advantages in polypectomy, papillotomy and mucosectomy.
In PPC® mode the radio frequency applied to the polyp, consists of cutting pulses interspersed with coagulation current.
Pulse Cut
4 Pulse Effects
40ms cut and 700ms coagulation

Coagulation mode
06 coagulation modes: Desiccate, Spray, Fulgurate and more 3 modes of pulsed coagulation.

Pulsed Coagulation

3.0ms of coagulation and 3.0ms off in each selected mode.

Tripolar® Function
Tripolar® mode is available only in Deltronix® devices
The tripolar function allows the use simultaneous and independent of both, monopolar and bipolar mode.



Mono (1) Mono (2) and Bipolar
Allows simultaneous use up to 2 independent
Dual monopolar footswitch and 01 bipolar footswitch

Bipolar Mode

The bipolar technique has the following Modes: Precise (Microbipolar), Standard (Bipolar), Macro-bipolar and Cut-bipolar (Bcut®). Independent footswitch for automatic activation of the bipolar functions.
Auto-stop functions.
Precise (microbipolar) and Standard (Bipolar)
On the functions with auto-stop, the coagulation between the bipolar forceps tips are monitored electronically and stop the applied power when the impedance of the tissue reaches values previously selected, even if the footswitch stay activated. With this action reduces the risk of unwanted injuries in small-caliber vessels. the higher the power, faster the coagulation.

Maximum Output Power		
CUT	PURE CUT	300W
	BLEND 1 / MIN	250W
	BLEND 2 / MID	200W
	BLEND 3 / MAX	150W
COAG	DESICCATE	150W
	SPRAY	120W
	FULGURATE	120W
BIPOLAR	STANDARD	100W
	PRECISE	100W
	MACRO	100W

Valid values for declared nominal load: 100 Ohms
for bipolar function and 500 Ohms for monopolar function.

Monopolar modes have output power set up with accuracy of 1.0 Watt until to the end of the scale. The bipolar mode has output power set up with an accuracy of 0.5 Watt, until to the end of the scale.

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MEDICAL DEVICES